

ACIDIC PRECIPITATION IN ONTARIO STUDY

ACID SENSITIVITY SURVEY OF LAKES IN ONTARIO

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Ministry
of the
Environment

he Honourable
eith C. Norton, Q.C.,
Minister

Graham W. S. Scott, Q.C.,
Deputy Minister

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ACIDIC PRECIPITATION IN ONTARIO STUDY

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ACID SENSITIVITY SURVEY OF LAKES IN ONTARIO

APIOS Report.
No. 002/81

Ontario Ministry of the Environment,
Limnology and Toxicity Section,
P.O. Box 213, Rexdale,
Ontario, Canada. M9W 5L1

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PREFACE

This report summarizes data collected prior to the Spring of 1980 for lakes in Ontario pertaining to their sensitivity to acidification. The lakes are divided by county or district and listed alphabetically within each such division. For each lake, the location (township, latitude and longitude), the study or report providing the data, and the date of sampling are listed. Alkalinity, conductivity and calcium concentration for each lake are included whenever available.

Alkalinity is a measure of the acid neutralizing capacity of an aquatic ecosystem that is buffered by the carbonic acid-bicarbonate-carbonate chemical system. For the purpose of this publication the inflection point alkalinity is abbreviated to TIA and fixed endpoint alkalinity to TFA. The alkalinity of each lake is reported in units of microequivalents per litre ($1 \text{ mg CaCO}_3 \text{ L}^{-1} = 20 \text{ } \mu\text{eq L}^{-1}$). Although there are many more historical alkalinity data available, TFA analytical techniques used prior to 1979 render the results for low alkalinity lakes (i.e. the most sensitive lakes) inadequate for assessing their buffering capacity. However, the historical method (TFA) of measuring alkalinity is satisfactory for high alkalinity lakes, so those lakes that are not acid sensitive can be identified. As a rough guideline, lakes are subjectively categorized as follows: lakes with an alkalinity $\leq 0 \text{ } \mu\text{eq L}^{-1}$ should be considered acidified (a negative alkalinity value indicates that a lake is already acidic and provides a measure of the degree of acidity), lakes with alkalinity between 0 and $40 \text{ } \mu\text{eq L}^{-1}$ as having extreme sensitivity, lakes between 40 and $200 \text{ } \mu\text{eq L}^{-1}$ as having moderate sensitivity, lakes between 200 and $500 \text{ } \mu\text{eq L}^{-1}$ as having low sensitivity, and $> 500 \text{ } \mu\text{eq L}^{-1}$ as not sensitive to acidification. Table 1 summarizes the percentage of lakes in each category by county and district. The reader is cautioned against concluding that the percentage of lakes in each alkalinity class reflects the sensitivity of all the lakes in a geographical area since lakes were not always selected randomly.

Conductivity is a measure of the total ionic concentration of a waterbody. It is affected by the calcium, magnesium, sodium, potassium, bicarbonate, chloride, sulphate and nitrate content of the water. The contribution of the hydrogen ion is negligible for neutral waters but becomes increasingly significant as the pH decreases below 5. Conductivity is reported in micromhos per centimeter ($\mu\text{mhos cm}^{-1}$) corrected to a standard temperature of 25°C.

Calcium and conductivity are both secondary indicators of lake sensitivity in that low calcium and low conductivity usually correspond to low alkalinity. Calcium concentration is reported in microequivalents per litre ($\mu\text{eq L}^{-1}$) where $1 \mu\text{eq L}^{-1} = 0.020 \text{ mg Ca L}^{-1}$. Calcium values were determined by manual compleximetric titration with EDTA or by Atomic Absorption Spectrophotometry.

Interpretation of these results must keep in perspective both the precision and the seasonal nature of such measurements. Analytical error and sampling error result in an accuracy of about $\pm 10\%$. The seasonal variation inherent in any lake measurements is such that a result from a single point in time is not an accurate representation of the annual chemistry of the lake

The data are collated into two lists. List 'A' includes accurate TIA data collected in 1978-80. List 'B' contains TFA data compiled from old M.O.E. programmes and from the limnology literature for lakes that have alkalinities $\geq 320 \mu\text{eq L}^{-1}$ so that their imprecise measurements are adequate. Lakes may appear more than once on each list in order to include data from different sources and studies, and several sampling dates. Lakes located in two or more counties or districts may appear more than once on a list.

Future work will include an analysis of these data in a geological framework so that sensitivity maps for the province can be prepared.

Inquiries regarding this report should be directed to the Limnology Unit, Ministry of the Environment (416) 248-3058.

Lake Classification

The five sensitivity categories established for Table 1 are somewhat arbitrary since studies which can quantify the acidification rates of lakes of differing buffering capacities are not yet complete. Nevertheless they are based on current understanding of lake sensitivity and as such can provide a limited or preliminary answer to the question - is my lake being affected by acid rain?

It is not possible to perform biological surveys in every lake of the Province. Detailed surveys are being conducted in a few lakes and effects of acid inputs on the biota in these lakes is related to a simple measurement, namely alkalinity, which can be made in a large number of lakes. Knowing the alkalinity of a given lake, the state of the biota of that lake may be approximated from the alkalinity of lakes where intensive biological surveys have been performed. This assessment will, unavoidably be wrong in some individual lakes.

Small variations in alkalinity between years do not indicate an improving or deteriorating water quality. Trends must be established by intensive measurements over several years.

Where more than one alkalinity value is listed for a lake, an average of the values has been used to determine which sensitivity category the lake should be placed in. Categorization of specific lakes can of course change depending on the initial alkalinity of the lake, rates of acid input and watershed characteristics.

A complete evaluation of the biological effects associated with each category is not yet available, however some general conditions which can be expected to apply to each category are listed below.

"Acidified" Lakes (A)

These lakes have zero or negative alkalinity. The pH will usually be less than or equal to 5.0 (some lakes may be this acidic naturally, such as Sphagnum bogs). Fish populations will be severely stressed. Many species may be extinct or the lake may be without

fish. Lakes that are not naturally high in organic colour, such as beaver ponds, will be exceptionally clear. Clouds of algae may accumulate in the inshore area. Clam, snail, and many amphibian species will be absent.

Extreme Sensitivity (ES)

These lakes have very low alkalinity, but the pH itself will probably not be toxic to most of the biota for most of the year. The pH will almost certainly be depressed during spring snow melt and fish kills and other biological damage may occur at that time.

Moderate Sensitivity (MS)

These lakes will have acceptable pH values for most of the year. In areas experiencing heavy acid loading the pH may be depressed significantly in certain lakes during snow melt especially if the melt proceeds rapidly. Since the pH will be less frequently depressed than in the extreme sensitivity category, the biota will be less at risk.

Low Sensitivity (LS)

Lakes in this category are likely to experience serious low pH and biological damage only under very extreme snow melt conditions.

Not Sensitive (NS)

Lakes in this category contain sufficient buffering capacity to neutralize acidic rain for an indefinite period of time. Snow melt will not depress the pH sufficiently to result in biological damage.

APPENDIX

Summary of data sources used to compile the information in this survey.

Study or Source Symbol	Study or Source
1	Ministry of Natural Resources
2	Ministry of the Environment - Limnology and Toxicity Section
3	Zimmerman, A. P., and H. H. Harvey, 1979. Sensitivity to Acidification of waters of Ontario and neighbouring states. Final report for Ontario Hydro.
4	Ministry of the Environment - Southeastern Region
5	Ministry of the Environment - Central Region
6	Ministry of the Environment - Northeastern Region
7	Ministry of the Environment and Ministry of Natural Resources Combined Study on Sudbury area Lake Trout Lakes
8	Ministry of the Environment - Northwestern Region
9	Ministry of the Environment and Ministry of Natural Resources Combined Studies
10	Ministry of the Environment - Recreational Lakes Project (1970-1974)
11	Ryder, R. A., 1964. Chemical characteristics of Ontario Lakes. Dept. of Lands and Forests, Section Report (Fisheries) No. 48
12	Sparling, J. H., and C. Nalewajko, 1970. Chemical composition and phytoplankton of lakes in Southern Ontario. J. Fish. Res. Bd. Canada 27:1405-1428
13	Kramer, J. R., 1979. Geochemical factors and terrain response to environmental contaminants; unpublished report. 78 p.
14	Ministry of the Environment, 1978. Sudbury Environmental Study Report. Extensive monitoring of lakes in the greater Sudbury area, 1974-1976.

Table 1: Summary of the Percentage of Lakes in each Alkalinity Class by County or District and for Ontario.

County or District	Percentage of Total No. of Lakes in each Alkalinity Class					Total No. of Lakes Evaluated
	Acidified ($\leq 0 \text{ ueq L}^{-1}$)	Extreme Sensitivity (> 0 to 39.9 ueq L^{-1})	Moderate Sensitivity (40 to 199 ueq L^{-1})	Low Sensitivity (200 to 499 ueq L^{-1})	Not Sensitive ($\geq 500 \text{ ueq L}^{-1}$)	
Algoma Dist.	5	11	31	27	26	163
Bruce Co.					100	7
Cochrane Dist.		7		11	82	27
Durham Co.					100	1
Frontenac Co.				6	94	64
Grey Co.					100	3
Haliburton Co.		21	40	24	15	110
Hastings Co.			21	11	68	63
Huron Co.					100	1
Kenora Dist.			14	25	61	88
Lanark Co.					100	15
Leeds Co.					100	24
Lennox & Addington Co.			36	12	52	25
Manitoulin Dist.	50	31	3	3	13	32
Middlesex Co.					100	1
Muskoka Dist.		30	62	2	6	115
Nipissing Dist.		9	75	13	3	75
Northumberland Co.					100	1
Ontario Co.					100	5
Parry Sound Dist.	3	22	64	10	1	107
Peel Co.					100	1
Peterborough Co.		4	16	6	74	49
Prince Edward Co.					100	3
Rainy River Dist.		3	64	19	14	99
Renfrew Co.			8	32	60	50
Simcoe Co.					100	7
Stormont Co.					100	1
Sudbury Dist.	23	29	24	11	13	208
Thunder Bay Dist.	1	2	25	27	45	136
Timiskaming Dist.	13		7	27	53	30
Victoria Co.					100	11
York Co.					100	2
Provincial Total	5	12	32	16	35	
(No. of Lakes)	(81)	(186)	(487)	(239)	(531)	1,524

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Achigan	Marne	46 55	84 12	6	05/79	40.8	30		MS
Alice	Leclaire	48 12	84 43	3	Summer/78	713			NS
Allen	Corbiere	48 12	84 35	3	Summer/78	192			MS
Allen	Striker	46 14	82 53	1	08/79	148	47		MS
Aloft	Finan	48 18	84 27	3	Summer/78	299			LS
Andre	Corbiere	48 08	84 37	3	Summer/78	533			NS
Arliss	Chabanel	48 03	84 43	3	Summer/78	244			LS
Aux Saubles, Lac	Monestime/Foucault/ Lefebvre	49 49	82 17	6	10/79 & 02/80	51.6	34		MS
"	"	"	"	14	06/74 - 05/76		33	200	
Barr	Sayer	46 42	83 13	1	07/79	76	29		MS
Barry	Jacobson	48 21	84 20	3	Summer/78	590			NS
Basswood (Big Basswood)	Day	46 19	83 24	6	10/79 & 02/80	81	38		MS
"	"	"	"	6	09/79	76	33		
"	"	"	"	3	Summer/78	60.3			
"	"	"	"	14	05 & 07/76		35	200	
Bauldry	Esquega	48 06	84 39	3	Summer/78	437			LS
Bearhead	Scarfe	46 18	82 58	3	Summer/78	76.4			MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Belle	Esten	46 19	82 35	1	06/79	51	93		MS
Big Marsh	Lalibert	48 14	84 50	3	Summer/78	417			LS
Blackington	Rabazo	47 54	84 51	3	Summer/78	852			NS
Black Trout	Bailloquet	48 03	84 50	6	10/79 & 02/80	137	46		MS
"	"	"	"	3	Summer/78	168			
Bogle	Dahl	48 21	85 04	3	Summer/78	887			NS
Bone	Tupper	46 48	84 16	6	10/79 & 02/80	64.6	26		MS
Brooks	Chabanel	48 04	84 41	3	Summer/78	1290			NS
Budd	McEwing	49 32	84 36	3	Summer/78	239			LS
Burk	Day	46 18	83 26	3	Summer/78	328			LS
Burnfield	Dahl	48 21	85 02	3	Summer/78	1130			NS
Burns	Varley	46 36	83 07	1	08/79	-0.6	26		A
Caribou	Plummer	46 22	83 50	3	Summer/78	159			MS
Catfish	Bailloquet	48 06	84 48	3	Summer/78	318			LS
Charlie	Menzies	48 10	84 50	3	Summer/78	234			LS
Chiblow	Montgomery/Patton/ Scarfe/Juillette	46 21	83 03	6	10/79 & 02/80	85.6	39		MS
Christman	Raimbault	46 35	82 44	3	Summer/78	66.8			MS

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
East Bull	Boon/Gerow	46 26	82 11	3	Summer/78	63			MS
"	"	"	"	14	06/74 - 07/76		32	150	
Eight, L. (Lake 8)	Gunterman	46 26	82 38	1	08/79	27	24		ES
Elliot	Gunterman/Bolger	46 23	82 42	6	09/79	36.2	120		ES
"	"	"	"	6	05/79	21.6	103		
"	"	"	"	3	Summer/78	36.8			
Emerald	Esquega	48 02	84 38	3	Summer/78	986			NS
Esten	Esten/McGiverin	46 22	82 40	6	09/79	154	160		MS
"	"	"	"	6	05/79	108	207		
Eva	Leclaire	48 12	84 42	3	Summer/78	562			NS
Finger	Corbiere	48 11	84 36	3	Summer/78	227			LS
Flack	Raimbault	46 35	82 47	6	10/79 & 02/80	97.4	40		MS
"	"	"	"	3	Summer/78	86			
"	"	"	"	14	06/74 - 07/76		38	200	
Forestry	Lewis	46 14	82 28	1	06/79	24.2			ES
Francis	Chabanel	48 03	84 42	3	Summer/78	503			NS
Gander	Bouck	46 28	82 37	3	Summer/78	26.6			ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Godon	Leclaire	48 14	84 46	3	Summer/78	413			LS
Goetz	Corbiere	48 07	84 39	3	Summer/78	549			NS
Goldie	Dumas	48 20	84 48	3	Summer/78	258			LS
Gordon	Plummer	46 25	83 50	3	Summer/78	360			LS
Goudreau	Finan	48 17	84 26	3	Summer/78	965			NS
Gravel Pit	Hembruff	46 33	82 42	3	Summer/78	75.9			MS
Haight	Lockeyer	46 29	82 17	3	Summer/78	93.6			MS
Hawk	Esquega	48 04	84 34	6	09/79	668	114		NS
"	"	"	"	3	Summer/78	627			
Heyden (Aweres)	Aweres	46 39	84 17	6	05/79	129	55		MS
Hobon	Huotabi	48 26	84 25	3	Summer/78	347			LS
Horgan	Jacobson	48 19	84 23	3	Summer/78	-11.9			A
Island	Aweres	46 40	84 16	6	09/79	127	43		MS
Justin	Jacobson	48 21	84 20	3	Summer/78	1310			NS
Kabenung	Dahl	48 16	85 00	3	Summer/78	258			LS
Kapimichigama	Lalibert	48 15	84 48	3	Summer/78	382			LS
Kenshoe	Magone	48 52	85 17	3	Summer/78	1510			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Kyle	Bouck	46 30	82 41	1	06/79	94	33		MS
Lagarde	Chabanel	48 03	84 46	3	Summer/78	<-50			A
Lauzon	Striker	46 12	82 50	3	Summer/78	72.8			MS
Lena	Chabanel	48 03	84 41	3	Summer/78	578			NS
Little Soulier	McMurray	48 01	84 47	3	Summer/78	<-50			A
Loughlin	Jacobson	48 20	84 20	3	Summer/78	443			LS
Lovell	Finan	48 17	84 28	3	Summer/78	426			LS
MacDermott	Lockeyer	46 28	82 18	3	Summer/78	126			MS
Madawanson	Strain/Redden	46 37	82 11	3	Summer/78	43.6			MS
"	"	"	"	14	08/75 - 07/76		30	150	
Magog	Mack	46 17	82 50	3	Summer/78	53.1			MS
"	"	"	"	14	08/75 - 07/76		34	200	
Maguire	Lalibert	48 14	84 49	3	Summer/78	365			LS
Matinenda	Scarfe/Mack/Timmermans	46 22	82 57	3	Summer/78	65.2			MS
McCarrell (McCarroll)	Aberdeen Additional/ Meredith	46 26	83 56	3	Summer/78	12.9			ES
McCarthy	Proctor/Deagle	46 19	82 28	6	09/79	110	148		MS
McMahon	McMahon/Aberdeen	46 32	83 48	6	05/79	229	46		LS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Parks	Corbiere	48 07	84 37	6	09/79	396	117		LS
"	"	"	"	3	Summer/78	348			
Patten	McMahon	46 32	83 46	6	05/79	176	45		MS
Pear	Joubin	46 23	82 33	1	06/79	60.8	33		MS
Penelope	Gunterman	46 25	82 38	1	08/79	13.2	262		ES
Perry	Abotossaway	48 13	84 37	6	09/79	417	91		LS
"	"	"	"	3	Summer/78	488			
Picnic	Hunt	48 36	85 16	3	Summer/78	17.4			ES
Porphry	Abotossaway	48 13	84 35	3	Summer/78	591			NS
Quirke	Buckles	46 28	82 33	3	Summer/78	2.8			ES
Rabbit Blanket	Peterson	47 45	84 50	3	Summer/78	268			LS
Raven	Magone	48 53	85 17	3	Summer/78	1480			NS
Red Rock	Whitman	46 44	83 53	3	Summer/78	172			MS
Reua	Corbiere	48 12	84 37	3	Summer/78	250			LS
Rock	Plummer	46 26	83 46	3	Summer/78	254			LS
Rosa	Huotabi	48 23	84 28	3	Summer/78	370			LS
Rossmere	McGiverin	46 22	82 47	1	06/79	92.4	32		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Rowan	Abotossaway	48 14	84 35	3	Summer/78	418			LS
Sausage	Chenard	48 22	84 33	3	Summer/78	397			LS
Saymo	Reilly/McIlveen	46 59	83 31	6	05/79	125	38		MS
Selkirk	Abotossaway	48 13	84 36	3	Summer/78	349			LS
Seven, L. (Lake 7)	Gunterman	46 26	82 38	1	08/79	22.5	25		ES
Slipper	Gunterman	46 22	82 41	6	05/79	346	132		LS
Spring	Finan	48 17	84 29	3	Summer/78	513			NS
Strobus	Jacobson	48 19	84 24	3	Summer/78	1570			NS
Strouth	Gunterman	46 25	82 39	1	06/79	11.1	28		ES
Summit	Aguonie	48 16	84 32	3	Summer/78	397			LS
Talbot	Chabanel	48 02	84 46	3	Summer/78	< -50			A
Toria	Victoria	46 15	82 14	3	Summer/78	53.1			MS
Trout	Aweres/Duncan	46 38	84 15	6	09/79	67.2	29		MS
Trout	Dablon	47 02	84 04	6	10/79 & 02/80	230	47		LS
Tube	Victoria	46 14	82 17	3	Summer/78	61.9			MS
Tukanee	Common	48 38	85 13	3	Summer/78	476			LS
Twenty-One, L. (Lake 21)	Bouck	46 28	82 38	1	06/79	21.2	31		ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Twin	Dumas	48 21	84 41	3	Summer/78	495			LS
Two, L. (Lake 2)	Lewis	46 14	82 34	1	06/79	33.4	111		ES
Unnamed	Strain	46 36	82 11	3	Summer/78	-36.2			A
Unnamed	Strain	46 36	82 11	3	Summer/78	52.4			MS
Unnamed (Frost)	Chabanel	48 01	84 48	3	Summer/78	226			LS
Unnamed (DN)	Lendrum	48 01	84 53	3	Summer/78	146			MS
Unnamed (DS)	Lendrum	48 01	84 53	3	Summer/78	334			LS
Unnamed	Corbiere	48 11	84 37	3	Summer/78	190			MS
Unnamed	Lalibert	48 16	84 54	3	Summer/78	575			NS
Unnamed	Huotabi	48 25	84 25	3	Summer/78	667			NS
Unnamed (South)	Leguerrier	48 26	84 23	3	Summer/78	323			LS
Unnamed (North)	Challenger (flows S. into Wabatongushi Lake)	48 27	84 15	3	Summer/78	8.2			ES
Unnamed	Abraham	48 36	85 07	3	Summer/78	901			NS
Unnamed	Matthews	48 56	85 09	3	Summer/78	525			NS
Wabatongushi	Glasgow	48 26	84 13	3	Summer/78	621			NS
Walbank	Chabanel	48 02	84 44	3	Summer/78	752			NS
Walford	Shedden	46 13	82 21	3	Summer/78	122			MS

COUNTY OR DISTRICT

ALGOMA DISTRICT

"B" List: Page 1 of 1

[illegible]

COUNTY OR DISTRICT

BRUCE COUNTY

"B" List: Page 1 of 1

[illegible]

DURHAM COUNTY

"B" List: Page 1 of 1

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Big Clear	Kennebec	44 43	76 55	3	Summer/78	1560			NS
"	"	"	"	4	07/75		225	1580	
Bobs	Bedford	44 41	76 35	3	Summer/78	1330			NS
"	"	"	"	4	08/75		140	850	
Buckshot	Miller	45 00	77 04	3	Summer/78	1220			NS
"	"	"	"	4	08/76		79	525	
Burridge	Bedford	44 40	76 33	3	Summer/78	1630			NS
Canoe	Bedford	44 35	76 33	3	Summer/78	1430			NS
"	"	"	"	4	08/75		172	1250	
Collins	Storrington	44 22	76 28	3	Summer/78	2100			NS
Devil	Bedford	44 35	76 27	3	Summer/78	1410			NS
"	"	"	"	4	07/75		170	1350	
Dog	Storrington	44 25	76 21	3	Summer/78	799			NS
"	"	"	"	4	05/75		159	1080	
Eel	Bedford	44 33	76 34	3	Summer/78	1910			NS
Opinicon	Bedford/Storrington	44 34	76 19	3	Summer/78	1480			NS
"	"	"	"	4	07/75		175	1250	

[illegible]

Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Ardoch	Clarendon	44 56	76 52	4	08/76	2180	222	1850	NS
Big	Miller	45 02	76 59	4	08/76	340	56	350	LS
Big Gull (Clarendon)	Barrie/Clarendon/ Kennebec	44 50	76 58	4	07/75	566	74	500	NS
Big Ohlmann	Miller	45 03	77 00	4	08/76	840	102	650	NS
Birch	Bedford	44 33	76 32	4	08/75	1400	164	1050	NS
Brule (Wensley)	Miller	45 03	77 03	4	08/76	860	120	850	NS
Buck	Loughborough/ Storrington/Bedford	44 32	76 26	4	07/75	1140	143	975	NS
Buck	Kennebec	44 42	76 57	4	07/75	920	120	875	NS
Bull	Kennebec	44 41	76 58	4	07/75	760	106	1000	NS
Canonto	S. Canonto	45 03	76 47	4	08/76	1840	168	2780	NS
Crotch (Cross)	Palmerston	44 55	76 48	4	07/75	790	99	550	NS
Crow	Oso/Bedford	44 42	76 37	4	08/75	1200	138	850	NS
Desert	Bedford/Loughborough	44 32	76 35	4	08/75	1520	173	1150	NS
Draper	Loughborough	44 29	76 31	4	08/76	2520	251	2000	NS
Eagle	Hinchinbrooke/Olden	44 41	76 42	4	08/75	940	127	650	NS
Fawn	Clarendon	44 54	76 51	4	05/76	600	81	550	NS
Fifth Depot	Hinchinbrooke	44 36	76 52	4	08/75	1260	136	850	NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Fortune	Miller	45 06	77 02	4	08/76	1160	137	975	NS
Fourteen Island	Portland/Loughborough	44 30	76 38	4	08/75	1374	170	1120	NS
Grindstone	Miller	45 01	76 57	4	08/76	700	95	570	NS
Hungry	Olden	44 48	76 53	4	05/76	360	54	400	LS
Kashwakamak	Clarendon/Barrie	44 52	77 01	4	08/76	780	110	725	NS
Kennebec	Kennebec	44 44	76 59	4	08/76	520	77	475	NS
Kishkebus	Barrie	44 54	77 10	4	08/76	480	74	525	LS
Knowlton	Loughborough	44 27	76 37	4	05/75	2200	246	1500	NS
Long Schooner	Miller	45 06	76 59	4	08/76	840	106	700	NS
Loughborough	Loughborough/ Storrington	44 27	76 25	4	05/75	2020	233	1900	NS
Lucky	Miller	45 03	77 01	4	08/76	820	103	650	NS
Mackie	Miller	45 05	76 59	4	08/76	680	92	600	NS
Mair	S. Canonto	45 07	76 50	4	08/76	2200	207	1950	NS
Malcolm	Clarendon	44 55	76 54	4	08/76	2060	208	1830	NS
Marble	Barrie	44 50	77 08	4	08/76	560	92	600	NS
Mazinaw	Barrie	44 55	77 12	12	11/64	580	57	750	NS
Mississagagon	Barrie	44 52	77 05	4	08/76	1800	172	1590	NS

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COUNTY OR DISTRICT

GREY COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Brady	Hindon	45 03	78 50	3	Summer/78	40.4			MS
"	"	"	"	2	01 & 02/79	67.2	38	205	
"	"	"	"	2	08/79	76.6			
Buckhorn	Havelock	45 14	78 42	1	06/79	63	33		MS
Camp	Clyde	45 23	78 20	1	07/79	20	31		ES
Cinder	Hindon	45 04	78 56	2	01 & 02/79	30.6	31	150	ES
"	"	"	"	2	08/79	33.4			
Clear	Sherborne	45 11	78 43	2	09/79	61.8			MS
Contau	Glamorgan	44 53	78 26	1	07/79	795	139		NS
Cranberry	Guilford	45 07	78 34	3	Summer/78	263			LS
"	"	"	"	2	09/79	170			
"	"	"	"	1	06/79	348	77		
Crown	Livingstone	45 26	78 40	1	07/79	24	26		ES
Cup	Cardiff	45 01	78 06	1	06/79	70.8	53		MS
Davis	Lutterworth	44 47	78 43	1	06/79	670	145		NS
Dawson Ponds	Sherborne	45 10	78 50	3	Summer/78	4.6			ES
Drag	Dudley	45 05	78 24	1	06/79	340	87		LS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Eagle	Guilford	45 08	78 31	3	Summer/78	190			MS
Eels	Cardiff	44 54	78 08	2	08/79	332			LS
Elephant	Harcourt	45 08	78 08	1	08/79	371	96		LS
Esson	Monmouth	45 01	78 16	1	07/79	720	114		NS
Galeairy	Nightingale	45 30	78 17	1	08/79	60.2	38		MS
Glamor	Glamorgan	44 57	78 22	1	07/79	652	102		NS
Gooderham	Glamorgan	44 54	78 23	1	07/79	662	34		NS
Green	Guilford	45 07	78 37	3	Summer/78	249			LS
"	"	"	"	1	06/79	236	81		
Guilford	Guilford	45 11	78 30	1	06/79	79.4	44		MS
Gull	Lutterworth	44 51	78 47	1	06/79	317	140		LS
Gun	Sherborne	45 12	78 50	2	01 & 02/79	20.2	30	145	ES
Haliburton	Harburn	45 12	78 24	1	06/79	177	59		MS
"	"	"	"	3	Summer/78	174			
Halls	Stanhope	45 06	78 45	3	Summer/78	36.5			MS
"	"	"	"	1	07/79	50.4	45		
Harry	Lawrence	45 26	78 27	1	08/79	36	30		ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Kabakwa	Stanhope	45 07	78 48	2	01 & 02/79	139	43	290	MS
"	"	"	"	2	02/78	146			
"	"	"	"	3	Summer/78	116			
Kawagama	McClintock/Sherborne/ Livingstone/Havelock	45 18	78 45	3	Summer/78	46.4			MS
Kennisis	Havelock/Guilford	45 13	78 38	3	Summer/78	41.7			MS
"	"	"	"	1	07/79	34.2	32		
Kimball	Livingstone	45 21	78 41	1	07/79	26.4	42		ES
Koshlong	Glamorgan	44 58	78 29	1	07/79	34.4			ES
Kushog	Stanhope	45 04	78 47	3	Summer/78	61.4			MS
Little Bob	Lutterworth	44 52	78 47	1	06/79	171	64		MS
Little Cup	Cardiff	45 00	78 06	1	06/79	50	51		MS
Little Dudmon	Dudley	45 02	78 21	1	07/79	598	93		NS
Little Hawk	Stanhope	45 09	78 43	3	Summer/78	24.2			ES
"	"	"	"	1	07/79	26.6	54		
Livingstone	Livingstone	45 22	78 43	1	07/79	76.8	31		MS
Long	Dudley ✓	45 03	78 22	1	06/79	718	128		NS ✓
Long Pond	Cardiff	44 59	78 06	1	09/79	134	81		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Loon	Dudley	45 01	78 23	1	07/79	778	170		NS
Louisa	Lawrence	45 28	78 29	1	11/79	18.2			ES
"	"	"	"	14	07/75 - 07/76		33	150	
Lower Cup	Cardiff	45 01	78 06	1	06/79	90.2	64		MS
Lower Fletcher	McClintock	45 21	78 50	9	1979	68.4	34	155	MS
Lower Paudash	Cardiff	44 58	78 01	1	08/79	513	109		NS
Lower Welch	Stanhope	45 06	78 47	1	07/79	362	65		LS
Lowry	Monmouth	44 56	78 15	1	06/79	359	79		LS
Madawaska	Eyre	45 20	78 23	1	07/79	48	85		MS
Maple	Stanhope	45 06	78 40	3	Summer/78	210			LS
"	"	"	"	1	07/79	286			
McFadden	McClintock	45 20	78 51	9	1979	124	39	185	MS
Miskwabi	Dudley	45 03	78 19	1	06/79	563	135		NS
Mountain	Minden	44 59	78 43	3	Summer/78	243			LS
"	"	"	"	1	06/79	200	57		
Mouse	Sherborne	45 11	78 51	2	01 & 02/79	27	35	165	ES
Nehemiah	Sherborne	45 12	78 48	2	01 & 02/79	23.6	30	135	ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
North Pigeon	Lutterworth	44 53	78 47	1	06/79	177	61		MS
Nunikani	Sherborne	45 12	78 44	1	06/79	29.2	36		ES
Oblong	Harburn	45 11	78 26	3	Summer/78	170			MS
Oxtongue	McClintock	45 22	78 55	9	1979	40	37	170	MS
"	"	"	"	1	07/79	51	42		
Partridge	Stanhope	45 08	78 47	3	Summer/78	199			LS
"	"	"	"	2	01 & 02/78	260			
Paudash	Cardiff	44 58	78 03	1	07/79	338	110		LS
Paul	Hindon	45 03	78 52	2	01 & 02/79	12.6	34	150	ES
Percy	Harburn	45 12	78 22	1	07/79	166	47		MS
Pine	Guilford	45 07	78 35	1	06/79	326	90		LS
"	"	"	"	3	Summer/78	267			
Plastic	Sherborne	45 11	78 50	3	Summer/78	4.6			ES
"	"	"	"	2	01 & 02/79	15.8	25	105	
"	"	"	"	2	Summer/79	5.8			
Poker	Hindon	45 03	78 56	2	02/79	68.2	34	160	MS
"	"	"	"	2	08/79	67			

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Raven	Sherborne	45 12	78 51	3	Summer/78	64.5			MS
"	"	"	"	2	01 & 02/79	27.2	32	130	
Red Pine	Sherborne	45 12	78 42	1	06/79	35.4	35		ES
"	"	"	"	14	07/75, 08/76		33	150	
Redstone	Guilford	45 11	78 32	3	Summer/78	37.8			MS
"	"	"	"	9	01/80	52.4	35	155	
Rence	Lawrence	45 25	78 28	1	08/79	47.8	30		MS
Rockaway	Livingstone	45 23	78 38	1	07/79	22.2	26		ES
St. Nora	Stanhope/Sherborne	45 09	78 50	3	Summer/78	57.6			MS
"	"	"	"	2	01 & 02/79	44.2	34	140	
Salerno	Snowdon/Glamorgan	44 51	78 29	3	Summer/78	856			NS
"	"	"	"	1	07/79	1280			
Sherborne	Sherborne	45 11	78 47	2	01 & 02/79	34.8	31	130	ES
Silent	Cardiff	44 55	78 04	1	07/79	135			MS
South McDonald	Hindon	45 05	78 54	2	01 & 02/79	43.8	35	170	MS
South Wildcat	Havelock	45 19	78 35	1	06/79	30.2	49		ES
Soyers	Minden	45 01	78 37	5	Summer/79	303	68	415	LS

HALIBURTON COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Back	Wicklow	45 19	77 58	1	07/79	247	106		LS
Baptiste	Herschel	45 07	78 03	1	07/79	212	41		LS
"	"	"	"	3	Summer/78	433			
Bark	Bangor/Wicklow	45 27	77 51	1	05 & 08/79	82			MS
Bay	Faraday	45 01	77 52	3	Summer/78	1830			NS
"	"	"	"	1	09/79	1930	220		
Big Mink	McClure	45 15	78 05	4	10/79, 01/80	117	43		MS
Boulter	McClure	45 18	78 03	3	Summer/78	134			MS
Chain (North Chain)	Mayo	45 00	77 38	1	08/79	2850	324		NS
Drumm	Wollaston	44 52	77 48	3	Summer/78	1618			NS
Hawk	Wicklow	45 20	77 56	1	07/79	197	77		MS
Horse	Cashel	44 55	77 31	1	07/79	1620	341		NS
Indian	Wicklow	45 19	77 59	1	07/79	80.8	75		MS
Kamaniskeg	Bangor	45 25	77 41	4	08/79, 01/80	117	46		MS
L'Amable	Faraday	45 01	77 49	3	Summer/78	1860			NS
"	"	"	"	4	11/77		212	1740	
Lower Perieau	McClure	45 16	78 08	1	08/79	57.4	43		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Marble	Dungannon	45 02	77 49	3	Summer/78	1720			NS
McWhirter	Carlow	45 13	77 41	1	07/79	812	191		NS
Papineau	Wicklow/Bangor	45 21	77 49	4	08/79, 01/80	166	60		MS
Purdy	Bangor	45 21	77 44	3	Summer/78	140			MS
"	"	"	"	4	11/77		63	320	
Registered	Faraday	45 01	77 52	1	06/79	2690	221		NS
Robinson	Limerick	44 55	77 43	3	Summer/78	643			NS
St. Peter	McClure	45 19	78 02	3	Summer/78	165			MS
"	"	"	"	4	08/79, 01/80	156	51		
Salmon Trout	Monteagle	45 11	77 49	3	Summer/78	361			LS
"	"	"	"	1	07/79	363	89		
Salt	Carlow	45 11	77 34	1	07/79	191	61		MS
Sanford	Cashel	44 56	77 30	1	07/79	2230	440		NS
Spring	Limerick	44 55	77 43	3	Summer/78	267			LS
Spurr	Faraday	45 02	77 50	3	Summer/78	1330			NS
Steenburg	Tudor/Limerick	44 50	77 41	3	Summer/78	1050			NS
"	"	"	"	4	08/76		144	1150	

HASTINGS COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Albion	Faraday	45 03	77 59	4	11/77	480	77	585	LS
Batelle (Rock)	Faraday	45 00	77 50	4	08/77	1650	168	1230	NS
Bentley	Faraday	45 02	77 55	4	08/77	986	522	3890	NS
Brooks	Wollaston	44 52	77 46	9	07/78	2160	210	1750	NS
Cashel	Cashel	44 55	77 33	4	11/77	2270	253	2250	NS
Coe Island	Faraday	44 59	77 55	4	11/77	1850	207	1720	NS
Crowe	Marmora	44 29	77 44	4	10/78	1140	148	1100	NS
Diamond	Herschel	45 04	78 02	4	11/77	426	75	665	LS
Dickey	Lake	44 47	77 44	4	08/76	1190	137	1140	NS
Fraser	Carlow	45 11	77 39	4	10/78	454	74	545	LS
Glanmire	Tudor	44 46	77 39	4	08/76	700	89	750	NS
Gunter	Cashel	44 54	77 32	4	08/77	2000	222	1950	NS
Islands, Lake of	Lake	44 46	77 45	4	08/76	1240	137	1150	NS
Jamieson	Dungannon	45 04	77 41	4	08/77	1990	215	1540	NS
Jeffrey	Faraday	45 01	77 53	4	08/77	2010	212	1830	NS
Lavallee	Faraday	44 57	77 56	4	08/76	2240	220	1930	NS
Limerick	Limerick	44 53	77 37	4	11/77	1880	208	1850	NS

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COUNTY OR DISTRICT

HURON COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Abram	Drayton	50 04	91 57	3	Summer/78	378			LS
Andy	McMeekin	49 38	94 04	3	Summer/78	494			LS
Basket	Redditt	49 59	94 23	3	Summer/78	167			MS
Bee	(unorganized)	50 41	95 04	3	Summer/78	148			MS
Birch	Redditt	49 43	94 43	3	Summer/78	273			LS
Blindfold	Kirkup	49 40	94 15	3	Summer/78	172			MS
Blue	Smellie	49 54	93 30	3	Summer/78	335			LS
Butterfly	Jordan	49 59	92 05	3	Summer/78	860			NS
Catastrophe	Pelican	49 54	94 47	3	Summer/78	133			MS
Catherine, Lake	Pelican	49 51	94 48	3	Summer/78	148			MS
Dinorwic	Southworth	49 37	92 33	3	Summer/78	258			LS
Dixie	(unorganized)	50 49	93 42	3	Summer/78	129			MS
Eagle	Aubrey	49 42	93 13	3	Summer/78	289			LS
Flambeau	Aubrey	49 43	92 55	3	Summer/78	684			NS
Godson	(unorganized)	49 36	92 46	3	Summer/78	364			LS
Granite	Boys	49 42	94 51	3	Summer/78	219			LS
Island	Haycock	49 48	94 20	3	Summer/78	261			LS

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Aquatuk	(unorganized)	54 22	84 33	11	1964	2060			NS
Atikwa	(unorganized)	49 27	93 34	8	07/70	332	48	310	LS
Attawapiskat	(unorganized)	52 18	87 54	11	1964	1100			NS
Cairns	(unorganized)	51 43	94 30	11	1964	400			LS
Caviar	(unorganized)	49 23	93 46	8	07/70	420	58	425	LS
Cedar	(unorganized)	50 09	93 08	8	1979	900	126	675	NS
Confederation	Dent/Mitchell	51 05	92 44	8	07/70	386	42		LS
Dryberry	(unorganized)	49 33	93 53	11	1964	320			LS
Eabamet	(unorganized)	51 32	87 46	11	1964	1060			NS
Echoing	(unorganized)	54 31	92 15	11	1964	2480			NS
Eliza	(unorganized)	49 25	93 42	8	07/70	380	61	375	LS
Favourable	(unorganized)	52 55	93 57	11	1964	440			LS
Hilly	Jaffray	49 45	94 22	8	1979	380	101	350	LS
Kanuchuan	(unorganized)	52 55	87 44	11	1964	1280			NS
Kasabonika	(unorganized)	53 35	88 35	11	1964	1180			NS
Lingman	(unorganized)	53 46	92 52	11	1964	960			NS
Little Sachigo	(unorganized)	54 09	92 11	11	1964	1600			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
MacDowell	(unorganized)	52 15	92 42	11	1964	660			NS
Magiss	(unorganized)	52 59	91 40	11	1964	940			NS
Makoop	(unorganized)	53 24	90 50	11	1964	940			NS
Mameigwess	(unorganized)	52 35	87 50	11	1964	1440			NS
Mameigwess	Ilsey/Bradshaw	49 34	91 49	11	1964	680			NS
Marchington	(unorganized)	50 12	91 20	11	1964	760			NS
Minnitaki	(unorganized)	49 58	92 00	11	1964	600			NS
Missisa	(unorganized)	52 18	85 12	11	1964	1620			NS
McInnes	(unorganized)	52 13	93 45	11	1964	420			LS
Ney	(unorganized)	54 37	92 20	11	1964	1760			NS
Nikip	(unorganized)	52 53	91 53	11	1964	960			NS
North Caribou	(unorganized)	52 50	90 40	11	1964	820			NS
North Spirit	(unorganized)	52 31	92 55	11	1964	600			NS
North Washagami	(unorganized)	54 30	85 03	11	1964	1260			NS
Nungesser	(unorganized)	51 28	93 30	11	1964	520			NS
Obustiga	(unorganized)	51 56	90 05	11	1964	1080			NS
Opinnagau	(unorganized)	53 55	84 22	11	1964	1200			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Ozhiski	(unorganized)	52 01	88 30	11	1964	1000			NS
Pakwash	(unorganized)	50 45	93 30	11	1964	780			NS
Petownikip	(unorganized)	52 56	92 02	11	1964	860			NS
Pikangikum	(unorganized)	51 48	94 00	11	1964	680			NS
Ponask	(unorganized)	54 00	92 41	11	1964	2120			NS
Pullan (Pullen)	(unorganized)	53 49	92 48	11	1964	1040			NS
Sachigo	(unorganized)	53 49	92 08	11	1964	1420			NS
Sakwaso	(unorganized)	53 01	91 55	11	1964	960			NS
Seeber	(unorganized)	53 51	93 01	11	1964	920			NS
Seul, Lac	(unorganized)	50 20	92 30	11	1964	820			NS
Severn	(unorganized)	53 54	90 48	11	1964	1460			NS
Shagamu	(unorganized)	55 05	87 04	11	1964	560			NS
Stout	(unorganized)	52 08	94 35	11	1964	680			NS
Sturgeon	(unorganized)	50 00	90 45	8	10/70	440	55		LS
Totogan	(unorganized)	52 05	89 10	11	1964	920			NS
Upper Goose	(unorganized)	51 43	92 43	11	1964	520			NS
Upper Manitou	(unorganized)	49 24	92 48	11	1964	880			NS

COUNTY OR DISTRICT

LANARK COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Big Rideau	South Burgess/ South Elmsley	44 46	76 13	4	08/75	1900	210	1420	NS
Clear	South Crosby	44 37	76 18	4	07/75	1730	214	1450	NS
Crosby	North Crosby	44 45	76 26	4	08/75	1080	40	775	NS
Indian	South Crosby	44 36	76 20	4	07/75	1480	192	1200	NS
Lower Beverly	South Crosby/Bastard	44 36	76 08	4	08/75	2420	250	1500	NS
Lower Rideau	South Elmsley	45 51	76 07	10	10/71	1920	203		NS
Newboro	South Crosby/ North Crosby	44 38	76 20	10	10/71	1960	215		NS
Opinicon	South Crosby	44 34	76 19	4	07/75	1440	175	1250	NS
Pike	North Crosby	44 47	76 21	4	08/75	1140	150	875	NS
Red Horse	Rear of Leeds & Lansdowne	44 32	76 05	4	08/75	2370	153	1680	NS
Sand	South Crosby	44 34	76 16	4	10/71	1520	174	1280	NS
Singleton	Rear of Leeds & Lansdowne	44 31	76 07	4	08/75	2380	248	1350	NS
Troy	South Crosby	44 31	76 16	4	08/75	1160	188	1150	NS
Upper Rideau	North Crosby	44 41	76 20	4	08/75	1870	218	1500	NS
Westport Sand	North Crosby	44 41	76 26	4	08/75	1880	212	1330	NS
Whitefish	Rear of Leeds & Lans- downe/South Crosby	44 32	76 14	10	10/71	1780	180		NS
Wolfe	North Crosby	44 41	76 30	4	08/75	1830	212	1450	NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Ashby	Ashby	45 05	77 21	4	07/79, 01/80	206	51		LS
Barker	Ashby	45 07	77 23	4	07/79, 01/80	194	52		MS
Big Yirkie	Denbigh	45 09	77 20	3	Summer/78	974			NS
Camden	Camden East	44 25	76 52	3	Summer/78	1580			NS
Denbigh	Denbigh	45 08	77 16	3	Summer/78	1090			NS
"	"	"	"	12	11/64		168	2280	
Effingham	Effingham	45 00	77 23	4	07/79, 01/80	96.6	41		MS
Inglesby	Sheffield	44 27	77 03	3	Summer/78	1840			NS
Joeperry	Effingham	44 55	77 18	4	07/79, 01/80	138	39		MS
Kerr	Effingham	44 58	77 20	3	Summer/78	1850			NS
Long Mallory	Abinger	45 00	77 10	4	08/79, 01/80	114	35		MS
Merrill	Effingham	44 55	77 23	4	07/79, 01/80	95.2	35		MS
Odessa	Ernestown	44 19	76 43	3	Summer/78	1410			NS
Otter (Cotter)	Ashby	45 04	77 23	4	07/79, 01/80	209	50		LS
Pringle	Anglesea	44 52	77 14	4	07/79, 01/80	120	41		MS
Rainy	Effingham	44 54	77 20	4	11/79, 01/80	315	61		LS
Sheldrake	Anglesea	44 49	77 17	4	07/79, 01/80	147	58		MS

LENNOX & ADDINGTON COUNTY

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LENNOX & ADDINGTON COUNTY

"B" List: Page 1 of 1

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Acid	Killarney	46 02	81 27	3	Summer/78	13.9			ES
Amikogaming	Carlyle	46 05	81 17	3	Summer/78	-1.6			A
A. Y. Jackson	Killarney	46 01	81 24	3	Summer/78	0.5			ES
Carlyle	Carlyle	46 04	81 17	7	3/80	-7	38		A
"	"	"	"	3	Summer/78	-4.6			
Clearsilver	Carlyle	46 07	81 14	3	Summer/78	-16.7			A
De Lamorandiere	Killarney	46 02	81 27	3	Summer/78	-24.6			A
Freeland	Killarney	46 02	81 22	3	Summer/78	5.9			ES
George	Killarney	46 02	81 24	7	01/80	-9.4	39		A
"	"	"	"	1	10/79	-3.37	20		
"	"	"	"	3	Summer/78	4.9			
"	"	"	"	14	06/74 06/76		40	200	
Great Mountain	Killarney	46 09	81 22	7	03/80	-24.6	40		A
Hemlock	Carlyle	46 05	81 17	3	Summer/78	-28.6			A
Johnnie	Carlyle	46 07	81 14	7	01/80	-15.6	39		A
"	"	"	"	3	Summer/78	-8.2			
Kakakise	Killarney	46 04	81 20	7	3/80	10.4	46		ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Killarney	Killarney	46 04	81 22	7	3/80	-27.8	40		A
"	"	"	"	3	Summer/78	-1.5			
Low	Killarney	46 07	81 34	7	01/80	369	78	440	LS
Lumsden	Killarney	46 02	81 26	3	Summer/78	2.2			ES
Mahzenazing	Humboldt	46 04	81 10	3	Summer/78	5.9			ES
Muriel	Killarney	46 03	81 26	3	Summer/78	4			ES
Norway	Killarney	46 05	81 18	7	03/80	-17.6	38		A
"	"	"	"	3	Summer/78	-4.4			
O.S.A.	Killarney	46 03	81 24	7	03/80	-37.2	49		A
"	"	"	"	3	Summer/78	-9.5			
"	"	"	"	14	06/74 - 06/76		47	150	
Partridge	Carlyle	46 05	81 17	3	Summer/78	-5.2			A
Ruth-Roy	Carlyle	46 05	81 15	7	03/80	-43.6	39		A
"	"	"	"	3	Summer/78	-18.9			
Sandy	Carlyle	46 06	81 17	3	Summer/78	-45.7			A
Sheguindah	Killarney	46 01	81 23	3	Summer/78	47.6			MS
Sunfish	Humboldt	46 06	81 06	3	Summer/78	0.9			ES

COUNTY OR DISTRICT

MANITOULIN DISTRICT

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COUNTY OR DISTRICT

MIDDLESEX COUNTY

"B" List: Page 1 of 1

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Ada	Medora	45 05	79 38	2	01/80	103	275	290	MS
Adams	Gibson	45 03	79 46	2	01/80	49.6	60	190	MS
"	"	"	"	1	06/79	61.4	59		
Arrowhead	Chaffey	45 24	79 12	2	08/79	200			LS
"	"	"	"	2	01/76 - 09/78		54	320	
Atkins	Macaulay	45 07	79 14	2	Winter/78	22.2			ES
Axe	Stisted	45 23	79 30	2	09/79	0.2			ES
"	"	"	"	2	Winter/78	0			
Barrett	Medora	45 02	79 38	2	01/80	524	134	610	NS
Bass	Medora	45 06	79 42	2	01/80	40.6	42	200	MS
Bastedo	Wood	44 57	79 32	2	01/80	59.2	29	110	MS
Bearpaw	Wood	44 56	79 30	2	01/80	90.2	32	190	MS
Bigwind	Oakley	45 03	79 03	3	Summer/78	32.1			MS
"	"	"	"	2	08/79	53.6			
"	"	"	"	2	01/76 - 09/78		31	145	
Bird	Oakley	45 02	79 04	2	01 & 02/79	76.4	38	190	MS
"	"	"	"	2	Winter/78	72.8			

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Chub	Ridout	45 13	78 59	2	Autumn/79	16.2			ES
"	"	"	"	2	01/76 - 09/80		30	140	
Clear	Oakley	45 02	79 01	2	09/79	61.8			MS
"	"	"	"	2	01 & 02/79	55.8	29	140	
"	"	"	"	2	Winter/78	39			
Clear (Torrance)	Wood	44 59	79 33	2	01/80	41.8	35	170	MS
Clearwater	Stephenson	45 12	79 14	2	Winter/78	83.2			MS
Crosson	Oakley	45 05	79 02	3	Summer/78	3			ES
"	"	"	"	2	Autumn/79	14.4			
"	"	"	"	2	01/76 - 09/78		27	120	
Dan	Ridout	45 09	78 52	2	01 & 02/79	50.6	30	140	MS
Deer	Muskoka	44 57	79 27	2	01/80	54.2	30	130	MS
Dickie	McLean	45 09	79 05	2	Autumn/79	15.8			ES
"	"	"	"	2	01/76 - 09/78		29	130	
Duffy (1)	Medora	45 04	79 42	2	01/80	44	54	210	MS
Duffy (2)	Medora	45 04	79 42	2	01/80	85.8	41	240	MS
Echo (Resound)	Wood	44 58	79 33	2	01/80	50	37	160	MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Echo	McLean	45 11	79 09	3	Summer/78	68.7			MS
Fairy	Chaffey/Brunel	45 20	79 11	3	Summer/78	57.2			MS
"	"	"	"	5	Summer/79	77.4	44	190	
Fawn	Stephenson/Macaulay	45 10	79 15	2	09/79	10.4			ES
Fischer	Freeman	45 05	79 46	2	01/80	6.8	28	110	ES
Fox	Stisted	45 22	79 21	2	Autumn/79	47			MS
Gibson (Brothersome)	Gibson	44 58	79 45	2	01/80	43.6	29	150	MS
Goldstein	Gibson	45 02	79 43	2	01/80	71.4	40	190	MS
Grandview	Ridout/McLean	45 12	79 03	2	02/78	148			MS
"	"	"	"	3	Summer/78	138			
Grindstone	Ridout	45 11	78 53	3	Summer/78	4.1			ES
"	"	"	"	2	01 & 02/79	8.6	54	165	
Gullwing	Wood	44 59	79 32	2	01/80	27.2			ES
"	"	"	"	2	01/76 - 09/78		40	160	
Haggart	Freeman	45 06	79 45	2	01/80	49.6	96	280	MS
Haggart	Medora	45 07	79 45	2	01/80	110	68	280	MS
Hardy	Wood	45 00	79 32	2	01/80	61.8	66	210	MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Harp	Chaffey	45 23	79 07	3	Summer/78	58.1			MS
"	"	"	"	2	Autumn/79	70.4			
"	"	"	"	2	01/76 - 09/78		35	160	
Hart	Wood	44 54	79 35	2	01/80	19.8	25	80	ES
Harts	Wood	45 01	79 41	2	01/80	54.2	47	210	MS
Healey	Macaulay	45 05	79 11	2	10/79	21.2			ES
"	"	"	"	2	Winter/78	31.8			
Heeney	McLean	45 08	79 06	2	Autumn/79	7.2			ES
"	"	"	"	2	Winter/78	26			
Henshaw	Medora	45 06	79 35	2	01/80	226	82	350	LS
Hesners (Eveness)	Wood	45 01	79 39	2	01/80	11.2	34	150	ES
Hillman	Monck	45 06	79 23	2	09/79	131			MS
"	"	"	"	2	Winter/78	98			
Jerry	Sinclair	45 23	79 07	2	Autumn/79	70.2			MS
"	"	"	"	2	01/76 - 09/78		37	175	
"L"	Wood	44 53	79 33	2	01/80	19.6	24	80	ES
Lake of Bays	(Municipal)	45 15	79 00	3	Summer/78	27.3			ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
McKay	Draper	45 03	79 10	2	10/79	23.6	26	120	ES
"	"	"	"	2	Winter/78	29.8			
McKeown	Ridout	45 10	78 53	2	02/79	35	31	130	ES
McMaster	Gibson	45 04	79 45	2	01/80	65.8	37	160	MS
Medora	Medora	45 04	79 39	2	01/80	23.6			ES
"	"	"	"	2	01/76 - 09/78		26	120	
Moot	McLean	45 09	79 10	2	Winter/78	8.6			ES
Morrison	Wood	44 52	79 27	2	01/80	69.4	39	160	MS
Mosquito	Wood	44 55	79 37	2	01/80	85.8	35	180	MS
Myers	Freeman	45 06	79 45	2	01/80	36	57	150	ES
Narrow	Wood	44 56	79 35	2	01/80	32.2	27	90	ES
Neilson	Wood	44 59	79 32	2	01/80	28	25	120	ES
Nine Mile	Wood	44 57	79 35	2	01/80	44.8	27	120	MS
North Muldrew	Muskoka/Wood	44 54	79 27	2	01/80	71.8	38	160	MS
Oudaze	Chaffey	45 27	79 11	3	Summer/78	78.1			MS
Paint	Ridout	45 13	78 57	3	Summer/78	108			MS
Pence	Wood	44 53	79 31	2	01/80	81	37	180	MS

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MUSKOKA DISTRICT.

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MUSKOKA DISTRICT

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Aylen	Dickens	45 37	77 51	1	05 & 08/79	152			MS
Bark	Lyell	45 27	77 51	1	05 & 08/79	82			MS
Belanger	Olive	46 50	79 50	1	06/79	124	61		MS
Big Trout	Bishop/McLaughlin	45 46	78 37	1	07/79	58.3	39		MS
Boyce	Flett	46 50	79 38	1	07/79	212	60		LS
Brewer	Sproule	45 35	78 19	2	11/79	82.4			MS
"	"	"	"	2	Winter/78	80.4			
Burntroot	Bishop/Osler	45 52	78 41	1	07/79	60.9	38		MS
Butt	Butt	45 42	78 57	1	07/79	18.3	32		ES
Cache	Badgerow	46 27	80 06	6	05/79	332	61		LS
Cache	Canisbay	45 32	78 35	1	07/79	66.4	41		MS
Canisbay	Canisbay	45 34	78 35	1	07/79	66.9	37		MS
Cat	Niven	45 46	78 08	1	06/79	138	65		MS
Cedar	Deacon	46 01	78 28	1	07/79	91.9	41		MS
Clarke	Airy	45 32	78 16	3	Summer/78	152			MS
Coghlan	Lyell	45 25	77 57	4	08/79 & 01/80	39.2	37		ES
Costello	Sproule	45 35	78 19	1	08/79	65.3	68		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Craig	Paxton	45 53	79 05	1	08/79	167	44		MS
Cross (Lyell)	Lyell	45 24	77 57	4	08/79 & 01/80	69.2	40		MS
"	"	"	"	1	08/79	63.8	41		
Dickson	Dickson	45 47	78 12	1	08/79	148	42		MS
Fall	Flett	46 49	79 31	1	07/79	3.4	29		ES
Fish	Dickens	45 33	77 51	1	06/79	182	71		MS
Forlise	Flett	46 52	79 35	1	07/79	162	54		MS
Found	Peck	45 33	78 38	2	02/78	109			MS
Four (Lake 4)	Joan	47 02	80 09	1	08/79	29.4			ES
Four Mile	Widdifield	46 23	79 23	6	05/79	29.4			ES
Friday	Best/Gillies Limit	47 13	79 39	6	05/79	178	51		MS
Galeairy	Airy	45 30	78 17	3	Summer/78	65.6			MS
"	"	"	"	1	07/79	50.8	38		
Grand	Barron	45 53	77 49	1	07/79	195	64		MS
Happy Isle	Bower/McLaughlin	45 45	78 30	1	08/79	70.6	35		MS
Heron	Finlayson	45 27	78 49	2	02/78	147			MS
Hogan	Freswick	45 52	78 30	1	07/79	119	43		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Iceland	Strathcona	47 00	79 52	1	06/79	207	85		LS
Kawawaymog	Ballantyne	45 55	79 10	1	08/79	158	39		MS
Kearney	Sproule	45 34	78 26	2	02/78	87.4			MS
Kettle	Olive	46 52	79 45	1	07/79	140	74		MS
Kioshkokwi	Pentland	46 05	78 53	1	07/79	87.4	43		MS
La Muir, Lake	Bishop	45 50	78 35	1	07/79	120	45		MS
"	"	"	"	14	07/75 - 07/76		40	150	
Lavieille	Anglin/Dickson	45 51	78 14	2	05 & 08/79	114			MS
Lobster	Airy	45 32	78 12	1	08/79	113	36		MS
Longairy	Airy	45 31	78 15	1	08/79	56.2	36		MS
Lower Hay	Sabine	45 24	78 12	1	07/79	76	43		MS
"	"	"	"	4	08/79 & 01/80	78	38		
Maggie	Finlayson	45 30	78 52	1	07/79	0.24	23		ES
Manitou	Wilkes	46 01	79 00	1	07/79	95.8	45		MS
Marten	Sisk/McLaren	46 43	79 40	6	10/79 & 01/80	106	44		MS
McCauley	Airy/Murchison	45 33	78 07	4	08/79 & 01/80	109	37		MS
McKenzie	Sabine	45 22	78 01	4	08/79 & 01/80	91.6	44		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Moore	Lyell	45 26	78 01	4	11/79 & 01/80	92.6	44		MS
Net	Strathcona	47 06	79 46	3	Summer/78	311			LS
North Tea	Ballantyne	45 57	79 03	1	07/79	110	50		MS
O'Neill	Dickens	45 40	77 53	1	06/79	293	59		LS
Opeongo	Bower/Dickson/Sproule	45 42	78 23	3	Summer/78	68.5			MS
"	"	"	"	1	06/79	86.7	59		
"	"	"	"	1	07/79	90.9	44		
"	"	"	"	1	08/79	87.7	52		
"	"	"	"	1	09/79	110	50		
Pancake	Askin	46 52	79 45	1	07/79	145	75		MS
Park	Finlayson	45 25	78 51	2	02/78	97.2			MS
Proulx	Bower	45 46	78 24	1	08/79	111	43		MS
"	"	"	"	14	07/75 - 07/76		44	200	
Radiant	Deacon	46 00	78 17	1	07/79	112	45		MS
Ragged	Peck	45 28	78 39	1	08/79	64.5	30		MS
Rib	Gillies Limit	47 13	79 43	3	Summer/78	281			LS
"	"	"	"	14	06/74 - 07/74		77	400	

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Robitaille	Guthrie	45 41	77 52	1	07/79	112	52		MS
Shirley	Preston	45 41	78 08	1	07/79	69.8	45		MS
Smith	Sproule	45 34	78 17	1	08/79	135	119		MS
Smoke	Peck	45 31	78 41	2	11/79	47.6			MS
"	"	"	"	2	02/78	60.2			
"	"	"	"	14	07/75 - 07/76		35	150	
Source	Peck	45 33	78 39	1	07/79	55	34		MS
Spitzig	Joan	47 01	80 01	1	08/79	184	71		MS
Swan	Peck	45 30	78 43	2	02/78	43			MS
Temagami, L. (Sharprock Inlet)	Canton/LeRoche	47 00	80 05	6	10/79 & 01/80	29.6	41		
" (Northeast Arm)	Briggs	"	"	1	07/79	264	109		LS
" (Northeast Arm)	Strathcona	"	"	3	Summer/78	641			
" (North Arm)	Aston/Cynthia	"	"	14	05/74 - 06/76		75	400	
Tent	Milne/Olive	46 52	79 45	1	07/79	182	59		MS
Thomas	Dickson	45 49	78 17	1	08/79	143	52		MS
Tim	Butt	45 45	79 02	1	07/79	23.1	27		ES
"	"	"	"	14	07/75 - 07/76		26	100	

COUNTY OR DISTRICT

NIPISSING DISTRICT

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COUNTY OR DISTRICT

NORTHUMBERLAND COUNTY

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COUNTY OR DISTRICT

ONTARIO COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Ahmic	Croft	45 37	79 42	1	07/79	98	42		MS
"	"	"	"	3	Summer/78	79.7			
Axe	McMurrich/Monteith	45 23	79 30	2	09/79	0.2			ES
"	"	"	"	2	Winter/78	0			
Bacon	Laurier	45 53	79 21	3	Summer/78	13.4			ES
Barton	Gurd	46 02	79 39	3	Summer/78	109			MS
Beatty (Wolfe)	Nipissing	46 02	79 32	6	05/79	93.4	41		MS
"	"	"	"	3	Summer/78	95.9			
Beaver	Mowat	45 57	80 32	3	Summer/78	259			LS
Beaver	Croft	45 38	79 44	3	Summer/78	92.5			MS
Bell	Ferguson	45 32	80 01	3	Summer/78	105			MS
Bells	Spence	45 36	79 41	1	08/79	47.2	36		MS
Birch	East Burpee	45 32	80 11	1	07/79	93	30		MS
Black	Burton	45 38	80 10	1	07/79	-4.0	19		A
Blackstone	Conger	45 14	79 53	3	Summer/78	62			MS
Brush	Humphrey	45 16	79 45	1	08/79	31.2	33		ES
Buck (McCann)	Proudfoot	45 41	79 10	1	08/79	20.8	24		ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Buck	McMurrich	45 25	79 23	2	09/79	106	31	140	MS
Cantin	Mowat	45 59	80 32	3	Summer/78	213			LS
Caribou	McConkey	45 56	80 04	1	07/79	75.4	48		MS
Cecebe	Chapman/Ryerson	45 38	79 33	3	Summer/78	108			MS
"	"	"	"	14	06/74 - 05/76		44	200	
Cole	Blair	45 54	80 20	3	Summer/78	97.7			MS
Commanda	Patterson/Pringle	46 01	79 43	3	Summer/78	88.2			MS
Crane	Conger	45 13	79 57	3	Summer/78	55.9			MS
Deer	Armour/Perry	45 35	79 17	6	05/79	27.6	33		ES
Deer	Lount	45 49	79 34	3	Summer/78	49.1			MS
Diamond	Christie	45 23	79 46	3	Summer/78	30.3			ES
Doe	Ryerson	45 32	79 24	1	07/79	118	46		MS
Dogfish	East Burpee	45 37	80 08	1	08/79	23.8	34		ES
Dollars	Blair/McConkey	45 56	80 13	3	Summer/78	106			MS
Eagle	Machar	45 50	79 30	6	Winter/79-80	77.8	38		MS
"	"	"	"	3	Summer/78	48			
"	"	"	"	14	06/74 - 05/76		35	150	

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Horn	Monteith	45 24	79 36	6	10/79, 01/80	13	31		ES
"	"	"	"	1	07/79	-0.7	26		
"	"	"	"	14	06/75 - 07/76		24	100	
Horn	Chapman/Ryerson	45 40	79 30	3	Summer/78	58.5			MS
Horseshoe	Foley	45 18	79 51	3	Summer/78	61.9			MS
Island	Proudfoot	45 41	79 14	1	07/79	87.4	41		MS
Island	Wilson	45 48	80 04	1	07/79	17.4	26		ES
"	"	"	"	14	05/74 - 06/76		25	100	
Joseph, L.	Humphrey	45 10	79 44	3	Summer/78	38.3			ES
Kapikog	Conger	45 09	79 54	6	05/79	40.6	28		MS
Kashegaba	Burton	45 42	80 08	1	08/79	42.2	25		MS
Kawigamog	Blair	45 53	80 16	1	08/79	122	39		MS
King	Machar	45 53	79 30	3	Summer/78	-19.3			A
Lane	Foley	45 21	79 56	3	Summer/78	24.4			ES
Limestone	Hagerman	45 33	79 56	1	07/79	362	125		LS
Long (Oliphant)	Proudfoot	45 42	79 11	1	08/79	21.2	26		ES
Lorimer	Hagerman/Ferguson	45 32	79 58	6	10/79, 01/80	190	55		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Maeck	Lount	45 50	79 41	3	Summer/78	7.6			ES
Manitouwabing	McKellar	45 29	79 54	1	07/79	155	47		MS
"	"	"	"	6	05/79	142	42		
"	"	"	"	14	06 & 07/76		43	250	
Many Islands, L. of	Lount	45 46	79 41	3	Summer/78	302			LS
Maple	Christie	45 22	79 48	3	Summer/78	59.1			MS
McQuaby	Nipissing	46 02	79 34	3	Summer/78	18.9			ES
Mill	McDougall	45 22	80 00	3	Summer/78	83.5			MS
Milton	Mills	45 55	79 52	3	Summer/78	55.0			MS
Mirage	Perry	45 28	79 13	3	Summer/78	61.7			MS
Miskokway	Burton	45 39	80 14	1	08/79	17.6	24		ES
Morgan Bay (L. Rosseau)	Humphrey	45 14	79 40	6	05/79	62	49		MS
Noganosh	Brown	45 49	80 16	1	07/79	50.4	31		MS
Oastler	Foley	45 19	79 58	3	Summer/78	103			MS
Otter	Foley	45 17	79 58	6	10/79, 01/80	48.4	33		MS
"	"	"	"	6	05/79	54.0	33		
"	"	"	"	3	Summer/78	43.0			

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Pakeshkag	Mowat	45 57	80 31	3	Summer/78	321			LS
Perbeth	Bethune	45 32	79 12	6	05/79	62	33		MS
Perch	Perry	45 27	79 14	3	Summer/78	109			MS
Pickere1	Armour	45 41	79 18	1	07/79	56	38		MS
Pickering	Humphrey	45 12	79 39	1	07/79	98.6	40		MS
Pringle	Pringle	45 58	79 45	3	Summer/78	94.5			MS
Rankin	Foley	45 18	79 54	3	Summer/78	109			MS
Restoule	Patterson	46 03	79 46	3	Summer/78	78.5			MS
"	"	"	"	14	06/74 - 06/76		45	200	
Richmond	Foley	45 20	79 59	1	06/79	267	136		LS
Roma	Lount	45 49	79 38	3	Summer/78	22.5			ES
Round	Ferguson/E.Burpee	45 31	80 08	6	Winter/79-80	0	24		A
"	"	"	"	14	05/74 - 05/76		24	100	
Ruth	Nipissing	46 01	79 31	6	05/79	80.8	39		MS
"	"	"	"	3	Summer/78	63.6			
Rye (Pickere1)	Lount	45 51	79 43	1	08/79	150	42		MS
Sand	Proudfoot	45 39	79 11	1	07/79	56.2			MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µhos/cm	Calcium µeq/l	Class
Schmeiler	Chapman	45 44	79 38	3	Summer/78	11.5			ES
Seagull (De Bernard)	Mills	45 54	79 57	3	Summer/78	142			MS
Second	Foley	45 16	79 52	1	06/79	122	70		MS
Silver (Tiffen)	Humphrey	45 14	79 48	6	05/79	72.6	79		MS
Six Mile (Naiscoot)	Harrison	45 39	80 21	3	Summer/78	31.9			ES
"	"	"	"	14	05/74- 05/76		28	150	
Smyth	Laurier	45 57	79 15	1	08/79	33	33		ES
Snowshoe	Ferrie	45 48	79 49	1	08/79	145	38		MS
Spence	Spence	45 32	79 38	1	08/79	58.6	31		MS
"	"	"	"	2	Winter/78	43.8			
Star	Christie	45 20	79 45	3	Summer/78	71.9			MS
Sturgeon Bay	Harrison	45 36	80 24	1	08/79	651	103		NS
Sucker	Humphrey	45 15	79 41	6	05/79	43	32		MS
Sugar	Christie	45 22	79 46	6	05/79	22.4	26		ES
Swan	McConkey	45 58	80 07	3	Summer/78	170			MS
Third	Foley	45 16	79 53	1	06/79	113	50		MS
Three Legged	Foley	45 16	80 01	1	08/79	39.4	19		ES

COUNTY OR DISTRICT

PEEL COUNTY

"B" List: Page 1 of 1

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Anstruther	Anstruther	44 55	78 12	1	06/79	168	39		MS
Bass	Galway	44 41	78 32	3	Summer/78	2870			NS
Big Cedar	Burleigh	44 36	78 10	1	08/79	1640	179		NS
Buzzard	Burleigh	44 40	78 13	1	08/79	108	30		MS
Chandos	Chandos	44 49	78 00	3	Summer/78	940			NS
"	"	"	"	9	05/75		121		
Eels	Anstruther	44 54	78 08	5	Summer/79	332			LS
Fortescue (Black)	Cavendish	44 50	78 26	3	Summer/78	846			NS
Gold	Cavendish	44 43	78 17	1	08/79	191	45		MS
Kasshabog	Methuen	44 38	77 58	1	08/79	319	62		LS
Long	Burleigh	44 41	78 10	1	07/79	166	39		MS
Loon Call	Anstruther	44 44	78 09	1	06/79	162	44		MS
"	"	"	"	5	07/79	220	39	300	
Mountain	Anstruther	44 47	78 12	1	06/79	33.6			ES
North Pencil	Anstruther	44 53	78 16	1	06/79	117	50		MS
Picard	Cavendish	44 47	78 23	3	Summer/78	955			NS
Rathbun	Anstruther	44 47	78 12	1	07/79	38.8	25		ES

PETERBOROUGH COUNTY

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Belmont	Belmont	44 31	77 49	5	10/78	1070	141	1050	NS
Big Bald	Harvey	44 34	78 23	2	1972	1920		1780	NS
Buckhorn	Ennismore/Harvey/Smith	44 29	78 23	2	1976	1560	191	1550	NS
Chemung (North)	Ennismore/Smith	44 24	78 24	2	1976	2260	256	2100	NS
" (South)	"	"	"	2	1976	2270	264	2150	NS
Clear	Dummer/Smith	44 30	78 12	5	10/78	1680	199	1600	NS
Cordova	Belmont	44 35	77 50	5	10/78	1040	143	1060	NS
Crowe	Belmont	44 29	77 44	5	10/78	1140	148	1100	NS
Crystal	Galway	44 45	78 29	5	11/77	1620	186		NS
Dummer	Dummer	44 32	78 06	5	10/78	1820	210	1750	NS
East Twin	Methuen	44 39	77 53	5	10/78	460	90	500	LS
Galloway	Cavendish	44 48	78 23	9	08/78	1240	146	1060	NS
Jack (North)	Methuen/Burleigh	44 42	78 02	5	10/78	894	113	930	NS
" (South)	"	"	"	5	10/78	1260	138	1190	NS
Katchewanooka	Smith/Douro	44 27	78 16	2	1976	1460	171	1450	NS
Little Bald	Harvey	44 34	78 25	2	1976	1280	149	1300	NS
Long	Methuen	44 34	77 59	5	10/78	2160	235	1900	NS

COUNTY OR DISTRICT

PRINCE EDWARD COUNTY

"B" List: Page 1 of 1

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Aramis	(unorganized)	48 44	91 23	3	Summer/78	171			MS
Argo	(unorganized)	48 15	91 48	13	07/78	123	19		MS
Art	(unorganized)	48 34	91 17	13	07/78	86.2	23		MS
Badwater	(unorganized)	48 29	91 57	13	07/78	102	20		MS
Ballard	(unorganized)	48 18	91 49	13	07/78	89.4	19		MS
Banning	(unorganized)	48 45	91 58	3	Summer/78	262			LS
Batchewaung	(unorganized)	48 40	91 30	3	Summer/78	75.8			MS
"	"	"	"	13	07/78	98.3	22		
Bearpelt	(unorganized)	48 29	92 02	13	07/78	152	31		MS
Beaverhouse	(unorganized)	48 33	92 06	13	07/78	125	23		MS
Bee	(unorganized)	48 30	91 57	13	07/78	102	18		MS
Bewag	(unorganized)	48 42	91 47	13	07/78	219	26		LS
Black Bay	(unorganized)	48 40	91 26	13	07/78	106	22		MS
Brewer	(unorganized)	48 17	91 58	13	07/78	308	47		LS
Buckingham	(unorganized)	48 33	91 16	13	07/78	87.5	20		MS
Burditt	Senn	48 57	93 46	3	Summer/78	591			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Caliper	Claxton	49 03	93 55	3	Summer/78	610			NS
Calm	Tanner	48 46	92 04	3	Summer/78	267			LS
Caskill	(unorganized)	48 53	91 09	13	07/78	130	23		MS
Cirrus	(unorganized)	48 37	91 55	13	07/78	94.1	18		MS
Clearwater West	(unorganized)	49 00	91 57	13	07/78	153	22		MS
Cole	(unorganized)	48 40	91 47	13	07/78	83.2	17		MS
Cone	(unorganized)	48 16	91 44	13	07/78	113	20		MS
Crystal	(unorganized)	48 42	91 17	3	Summer/78	119			MS
Darky	(unorganized)	48 18	91 47	13	07/78	82.4	18		MS
Dashwa	(unorganized)	48 56	91 45	3	Summer/78	77.6			MS
"	"	"	"	13	07/78	98.9	23		
Elizabeth	(unorganized)	48 34	91 32	3	Summer/78	45.7			MS
Elk	(unorganized)	48 15	91 44	13	07/78	128	21		MS
Eva	(unorganized)	48 43	91 10	3	Summer/78	131			MS
"	"	"	"	13	07/78	167	33		
Eye	(unorganized)	48 52	91 44	3	Summer/78	114			MS
"	"	"	"	13	07/78	104	27		

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Factor	(unorganized)	48 42	92 03	3	Summer/78	163			MS
Finlayson	(unorganized)	48 55	91 34	3	Summer/78	235			LS
"	"	"	"	13	07/78	275	43		
Fosberg	(unorganized)	48 55	91 42	13	07/78	89.6	16		MS
Fotheringham	Schwenger	48 50	91 31	13	07/78	293	42		LS
French	(unorganized)	48 40	91 09	3	Summer/78	189			MS
Gardner Bay	(part of Crooked L.)	48 13	91 44	13	07/78	143	24		MS
Gillnet	(unorganized)	48 39	91 24	13	07/78	81.7	21		MS
Halfmoon	(unorganized)	48 59	91 55	13	07/78	142	22		MS
Halliday	(unorganized)	48 34	91 30	3	Summer/78	49.5			MS
Hurn	(unorganized)	48 16	91 43	13	07/78	128	21		MS
Icy	Schwenger	48 50	91 32	3	Summer/78	870			NS
"	"	"	"	13	07/78	1070	136		
Jesse	(unorganized)	48 35	91 35	3	Summer/78	65.4			MS
Kawene	Trottier	48 45	91 13	3	Summer/78	124			MS
"	"	"	"	13	07/78	163	29		
Keckusch	(unorganized)	48 57	91 15	13	07/78	157	28		MS

COUNTY OR DISTRICT

RAINY RIVER DISTRICT

"A" List: Page 4 of 7

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Moose	Schwenger	48 50	91 35	3	Summer/78	914			NS
"	"	"	"	13	07/78	1100	131		
Niobe	(unorganized)	48 43	91 20	3	Summer/78	120			MS
"	"	"	"	13	07/78	158	43		
North Twin	(unorganized)	48 51	91 37	13	07/78	1470	425		NS
Nowquabic	Hutchinson	48 47	91 15	13	07/78	692	85		NS
Nym	(unorganized)	48 42	91 26	3	Summer/78	75.7			MS
"	"	"	"	13	07/78	101			
Off	Fleming	48 54	93 49	3	Summer/78	881			NS
Omeme	(unorganized)	48 30	92 00	13	07/78	111	22		MS
Pickere1	(unorganized)	48 37	91 19	3	Summer/78	88.8			MS
Pickere1 (E. section)	"	"	"	13	07/78	128	26		MS
" (W. section)	"	"	"	"	"	122	23		
Pony	Potts	48 54	93 52	3	Summer/78	542			NS
Potts	Potts	48 54	93 55	3	Summer/78	1010			NS
Premier	(unorganized)	49 00	91 18	13	07/78	279	41		LS
Quetico	(unorganized)	48 34	91 55	13	07/78	124	23		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Rawn	(unorganized)	48 34	91 15	13	07/78	96.1	23		MS
Roland	(unorganized)	48 16	91 51	13	07/78	108	17		MS
Slim	(unorganized)	48 58	91 52	13	07/78	36	16		ES
Smudge	(unorganized)	48 39	91 41	13	07/78	78.8	19		MS
Snow	Schwenger	48 50	91 33	3	Summer/78	407			LS
"	"	"	"	13	07/78	488	64		
Soho	(unorganized)	48 39	91 45	13	07/78	99.4	20		MS
Sturgeon	(unorganized)	48 29	91 38	3	Summer/78	91.2			MS
Turtle	(unorganized)	48 57	91 57	13	07/78	97.2	23		MS
Unnamed	(flows S. into Argo L.)	48 16	91 46	13	07/78	105	23		MS
Unnamed	(flows E. into Buckingham L.)	48 32	91 18	13	07/78	152	20		MS
Unnamed	(NE of Chase L.)	48 34	92 12	3	Summer/78	39.3			ES
Unnamed	(flows S. into Pickereel L.)	48 39	91 25	3	Summer/78	43.2			MS
Unnamed	(flows N. into Nym L.)	48 40	91 26	3	Summer/78	42.7			MS
Unnamed	(flows W. into Perley L.)	48 40	92 08	3	Summer/78	107			MS
Unnamed	(flows N. into Lerome L.)	48 43	91 44	13	07/78	327	23		LS
Unnamed	(flows N. into Perch L.)	48 44	91 52	3	Summer/78	486			LS

COUNTY OR DISTRICT

RAINY RIVER DISTRICT

"A" List: Page 7 of 7

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RAINY RIVER DISTRICT

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Albert	Sherwood	45 30	77 36	3	Summer/78	303			LS
Bark	Jones	45 27	77 51	1	05 & 08/79	82			MS
Calabogie	Blithfield/Bagot	45 16	76 45	3	Summer/78	585			NS
"	"	"	"	4	10/78		101	775	
Cameron (Eneas)	Lyndoch	45 18	77 24	3	Summer/78	1240			NS
Carson	Jones/Sherwood	45 30	77 45	4	08/79, 01/80	245	61		LS
Charlotte	Brudenell	45 24	77 26	3	Summer/78	1110			NS
"	"	"	"	4	08/76		162	1330	
Dempseys	Bagot	45 16	76 40	3	Summer/78	1680			NS
Dore	Wilberforce	45 37	77 07	3	Summer/78	1130			NS
"	"	"	"	4	10/78		165	1240	
Genricks (Hardwood)	Raglan	45 13	77 27	3	Summer/78	409			LS
Golden	N.Algona/S.Algona	45 34	77 21	3	Summer/78	446			LS
"	"	"	"	4	10/78		87	640	
Gorman	Brudenell	45 26	77 26	3	Summer/78	1230			NS
Halfway	Radcliffe	45 25	77 36	3	Summer/78	849			NS
"	"	"	"	4	11/77		150	1200	

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COUNTY OR DISTRICT

RENFREW COUNTY

"A" List: Page 3 of 3

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Black Donald	Brougham	45 13	76 57	4	10/78	640	89	725	NS
Britchless	Brudenell/Sebastopol	45 23	77 18	4	10/78	386	65	460	LS
Burns	Griffith	45 19	77 05	4	10/78	980	124	1120	NS
Burns	Burns/Sherwood	45 35	77 40	4	10/78	406	71	425	LS
Centennial	Matawatchan	45 09	77 03	4	10/78	566	90	640	NS
Clear	Sebastopol	45 26	77 12	4	10/78	1920	190	1600	NS
Colton	Admaston	45 26	76 51	4	10/78	2750	253	2530	NS
Constant (Constan)	Gratton	45 24	76 59	4	10/78	2350	225	2150	NS
Dam	Radcliffe	45 25	77 32	4	10/78	1750	171	1590	NS
Diamond	Radcliffe	45 22	77 32	4	11/77	620	93	460	NS
Fergusons	Blithfield	45 18	76 51	4	10/78	2540	230	2250	NS
Green	Brougham	45 15	76 55	4	11/77	1880	209	1740	NS
Greenbough	Clara	46 12	78 19	12	11/64	340	37	290	LS
Hurds	Bagot	45 24	76 41	4	10/78	1070	106	835	NS
Jacks	Brougham	45 18	76 56	12	11/64	550	56	420	NS
Lemke	Alice	45 50	77 15	12	11/64	440	58	380	LS
Limestone	Brougham	45 15	76 50	4	10/78	2820	274	2280	NS

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SIMCOE COUNTY

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COUNTY OR DISTRICT

STORMONT COUNTY

"B" List: Page 1 of 1

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Airport Pothole A	Falconbridge	46 37	80 47	1	11/79	687	322		NS
Airport Pothole B	Falconbridge	46 37	80 47	1	11/79	652	100		NS
Airport Pothole C	Falconbridge	46 37	80 47	1	11/79	1160	305		NS
Alma	Demorest/Clary	46 59	80 34	7	01/80	118	62	320	MS
"	"	"	"	1	09/79	82	43		
Alphretta	Telfer/Stobie	46 59	80 46	7	01/80	0.4	45		ES
"	"	"	"	7	10/79	1.6	42		
"	"	"	"	1	09/79	3.2	38		
"	"	"	"	14	07/75 - 07/76		46	200	
Antrim	Antrim	46 56	81 37	7	01/80	95.8	52		MS
Apsey	Merritt	46 13	81 47	6	05/79	14.2			MS *
"	"	"	"	3	Summer/78	304			
Ashigami	Scadding/Davis	46 39	80 34	7	03/80	39.4	53		ES
Athlone	Athlone/Battersby	47 03	81 45	7	01/80	48.6	38		MS
Attlee	Attlee	46 08	80 59	3	Summer/78	11.7			ES
Bassoon	Dieppe	46 13	81 23	7	01/80	464	94		LS
Beaver	Lorne	46 20	81 30	3	Summer/78	240			LS

* More data are needed to clarify the large difference between these alkalinity values.

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Bell	Lorne	46 20	81 33	3	Summer/78	78.9			MS
Bell	Goschen	46 08	81 12	7	03/80	-8.6	41		A
Benner	Dundee	47 10	80 37	7	01/80	-4.6	41		A
Bennett	Rhodes	46 54	81 22	1	09/79	93.8	32		MS
Bethel	McKim	46 28	80 57	6	05/79	907	419		NS
Big Pine	Gilliland	47 52	83 45	3	Summer/78	19.4			ES
Big Squaw	LaFleche	47 01	81 57	7	01/80	49.6	41	180	MS
Big Valley	Mackelcan/McCarthy	46 52	80 34	1	06 & 08/79	3	40		ES
Bigwood	Kitchener	46 51	81 05	7	01/80	0.4	41		ES
"	"	"	"	6	10/79 & 01/80	2.6	40		
"	"	"	"	1	09/79	8.9	32		
"	"	"	"	14	05/74 - 07/76		39	200	
Black	Hutton			6	05/79	12.4	79		ES
Block 9	Sheppard	46 53	80 29	1	07 & 08/79	40.2	37		MS
Block 12	Sheppard	46 54	80 33	1	08/79	20.5	36		ES
Bluesucker	Dundee	47 10	80 37	7	01/80	-12.2	40		A
Bonhomme	Aylmer	46 48	80 45	7	01/80	-43.4	53		A

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Botha	Botha	46 57	81 17	7	02/80	11	39		ES
Bowland	Howey	47 05	80 50	7	01/80	-13	40		A
Broker	Attlee	46 08	81 00	7	03/80	-12.2	41		A
"	"	"	"	3	Summer/78	-1.6			
Bull	Turner	47 06	80 36	7	01/80	-0.4	45	210	A
Calio	Selkirk/Turner	47 08	80 40	7	01/80	-2.6	42		A
Capreol (Ella)	Capreol	46 42	80 51	7	02/80	54.4	51		MS
"	"	"	"	14	05/74 - 06/76		53	300	
Carhess	Hess/Cartier	46 43	81 30	7	01/80	86.2	43		MS
Carlyle	Attlee	46 08	81 00	3	Summer/78	42.9			MS
Cascaden	Cascaden	46 34	81 30	7	01/80	35.8	39		ES
Caswell	Aylmer	46 52	80 45	7	03/80	-26.2	47		A
Centre	Stobie	47 03	80 45	7	01/80	15.8	43	190	ES
Chiniguchi	McConnell/Telfer	46 57	80 42	7	01/80	-40.6	56		A
Chuggin	Kelly	46 46	80 30	7	03/80	-1.2	48		A
Colin Scott	McCarthy	46 50	80 30	1	08/79	-14.6	45		A
David	Goschen	46 08	81 17	7	03/80	-33	37		A

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Fraleck	Fraleck	46 55	80 53	7	02/80	14	40		ES
"	"	"	"	14	05/74 - 07/76		47	200	
Frederick	Stobie	47 02	80 44	7	01/80	-36.6	58		A
Frenchman	Wisner/Hanmer	46 43	80 59	1	08 & 11/79	13.1	25		ES
"	"	"	"	14	05/74 - 05/76		48	250	
Friday	Dunbar/Rhodes	46 57	81 21	7	01/80	33.2	44	190	ES
Geneva	Hess	46 46	81 33	7	01/80	57.6	41		MS
"	"	"	"	14	06/74 - 06/76		39	250	
Gold	McCarthy	46 50	80 31	1	08/79	4.3	52		ES
Great Mountain	Stalin	46 09	81 22	7	03/80	0	40		A
Grey	Sale/Goschen	46 08	81 10	7	03/80	-23.4	40		A
Griffin (Clear)	Merritt	46 14	81 45	6	05/79	612	122		NS
"	"	"	"	3	Summer/78	504			
Haentschel	Haentschel	47 13	80 55	7	01/80	40.2	39	180	MS
Halfway	Ulster/Antrim	46 54	81 38	7	01/80	108	54	230	MS
Halleck	Sheppard	46 57	80 32	1	07/79	43.2	50		MS
Hamilton	Strom	47 32	83 00	6	08 & 10/79 & 02/80	-35	20		A

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Hanmer	Hanmer	46 43	80 58	1	08/79	20.4	54		ES
Harvey	McCarthy	46 50	80 26	1	08/79	4.4	32		ES
Hazen	Hazen	47 53	81 37	3	Summer/78	201			LS
Helen (Hele)	Curtin/Roosevelt	46 07	81 34	7	01/80	64.6	42	180	MS
Helen	Beaumont	47 01	81 06	7	02/80	25.2	37		ES
"	"	"	"	14	07/75 - 08/76		35	150	
Hicks	Sheppard	46 54	80 31	1	08/79	10.6	92		ES
Houston	Macmurchy	47 40	81 07	3	Summer/78	760			NS
Hutton	Hutton	46 49	81 00	7	02/80	135	44		MS
"	"	"	"	14	07/75 - 07/76		44	250	
Irish	Mackelcan	46 52	80 35	7	03/80	7.6	45		ES
Joe	Wisner	46 44	81 01	1	08/79	10			ES
Josephine	Sheppard	46 58	80 32	1	07/79	67.8	51		MS
Kasakawawia	Rhodes	46 53	81 25	1	09/79	103	40		MS
Kawawia	Rhodes/Leinster	46 53	81 21	1	09/79	73.4	32		MS
Kearn	Borden	47 55	83 10	6	08/79	21.2	12		ES
Kearns	McCarthy	46 50	80 27	1	08/79	-9.0			A

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Kelly 27	Kelly	46 45	81 00	7	03/80	-5.6	45		A
Kennedy	Stralak/Gilbert	46 51	81 50	7	01/80	53.6	42	190	MS
Kettye	McCarthy	46 49	80 32	1	08/79	-10.3	42		A
Kukagami	Kelly/Davis	46 44	80 33	7	01/80	-4.2	55		A
"	"	"	"	14	05/74 - 06/76		55	300	
Kumska	Wisner	46 48	81 02	7	01/80	43.6	40	170	MS
La Motte	Noble	47 45	81 40	3	Summer/78	400			LS
Lang	Lang	48 13	83 52	6	05/79	124	73		MS
Laundrie	Howey	47 07	80 52	7	01/80	-7.4	36		A
"	"	"	"	1	09 & 10/79	-0.13	25		
"	"	"	"	14	06/74 - 06/76		40	200	
Laura	McConnell	46 57	80 36	7	01/80	4	49	250	ES
Lawson	Triquet	47 49	83 44	3	Summer/78	845			NS
Least	Nimitz	47 36	83 13	3	Summer/78	23			ES
Linger	Seagram	47 05	80 30	7	03/80	-9.0	44		A
Little Laundrie	Marconi	47 07	80 44	7	01/80	13.6	41		ES
Little Panache (Little Penage)	Dieppe/Louise	46 17	81 22	7	01/80	528	96		NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Little Wawa	Peters	47 51	83 51	3	Summer/78	667			NS
Lone	Sale	46 08	81 06	3	Summer/78	4.8			ES
Lonely	Beresford	46 59	81 04	7	02/80	10.8	40		ES
Long	Eden/Broder	46 22	81 05	7	01/80	207	137		LS
Low	Roosevelt	46 07	81 34	7	01/80	369	78	440	LS
Lower Block 9	McCarthy	46 53	80 29	1	07 & 08/79	15.1	34		ES
Lower Green	Athlone	46 59	81 43	7	01/80	36.8	39		ES
Lower Matagamisi	McCarthy	46 50	80 29	1	07 & 08/79	-3.1	41		A
Lower Opikimika	Asquith/Miramichi	47 31	81 20	3	Summer/78	715			NS
Lower Sturgeon	Delamere	46 07	80 36	1	06 & 09/79	121	41		MS
"	"	"	"	14	06/74 - 06/76		52	250	
Maggie	Selkirk	47 11	80 40	7	01/80	59.6	40	170	MS
Makada (Black)	Waters	46 22	81 10	6	09/79	161	73		MS
Marion	McConnell	46 48	80 35	7	03/80	118	63		MS
Marjorie	McConnell	46 55	80 37	7	03/80	-68.6	60		A
Maskinonge	McCarthy/Kelly	46 47	80 27	7	01/80	-4	46		A
Mattagami	Mattagami	47 54	81 35	3	Summer/78	535			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
McCrea	Bleazard	46 35	81 00	1	08/79	12.9	130		ES
McCulloch	Ellis/Corley	47 20	80 42	7	01/80	441	76	430	LS
McFarlane	Broder	46 25	80 59	3	Summer/78	351			LS
"	"	"	"	14	05/74 - 05/76		193	750	
McGowan	Sheppard/McConnell	46 58	80 34	1	07/79	52.9	53		MS
McGrindle	Botha/Roberts	46 54	81 12	7	02/80	43.2	44		MS
"	"	"	"	14	05/76 - 08/76		43	200	
Memoir	Strom/Neelands	47 30	82 59	6	08/79	902	93		NS
Michaud	Tyrone	46 49	81 14	7	02/80	0	35		A
Michiwakenda	Churchill	47 38	81 13	3	Summer/78	455			LS
Millerd	Secord/Laura/Halifax	46 16	80 57	7	01/80	78.8	62		MS
"	"	"	"	1	09/79	82.4	50		
"	"	"	"	14	05/74 - 06/76		67	300	
Ministic	Ermatinger/Cascaden	46 34	81 34	7	01/80	18.6	39		ES
Morgan	Morgan	46 40	81 17	7	01/80	10.6	38		ES
Mosquitoe	Cascaden	46 33	81 31	7	01/80	42.4			MS
Mule	Tyrone	46 52	81 19	1	09/79	72.1	35		MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Murray	Davis/Janes	46 40	80 26	7	03/80	14	51		ES
Nellie	Roosevelt	46 07	81 30	7	03/80	-47.2	51		A
"	"	"	"	6	08/79	-72.2	48		
"	"	"	"	14	06/74 - 06/76		50	150	
Nelson	Bowell	46 44	81 05	7	01/80	77.2	46		1
"	"	"	"	1	08 & 09/79	31.8	39		
"	"	"	"	3	Summer/78	-45.5			
"	"	"	"	14	05/74 - 06/76		47	250	
North Yorston	Parker	47 17	80 39	1	06/79	-16.2	40		A
Onaping	Emo/Fairbairn	46 57	81 30	7	01/80	63.6	44		MS
Osborne	Kitchener	46 52	81 10	7	02/80	35.6	41		ES
Panache (Penage)	Dieppe/Caen/Truman	46 15	81 20	7	01/80	81.6	64		MS
" (W. section)	"	"	"	6	08/79	144	74		
" (E. section)	"	"	"	6	08/79	112	73		
"	"	"	"	14	05/74 - 06/76		72	350	
Parkin	Parkin	46 53	80 52	7	01/80	14.4	40	160	ES
Path	Muldrew	47 00	81 40	7	01/80	12.6	37	180	ES

1. The large alkalinity variations seen in the data are due to experimental manipulations carried out on Nelson Lake.

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Pedro	Sheppard	46 55	80 32	1	08/79	-4.0	46		A
"	"	"	"	14	07/75 - 07/76		49	250	
Peter	Goschen	46 12	81 11	7	03/80	13.4	56		ES
Pilgrim	Dundee/Selkirk	47 11	80 41	7	01/80	-10.4	40		A
Pogamasing	Morse/LaFleche	46 59	81 50	7	01/80	90.8	41	210	MS
Ramsey	McKim/Neelon	46 29	80 57	7	01/80	317	264		LS
"	"	"	"	6	05/79	269	223	710	
Ratter	Ratter	46 30	80 25	6	05/79	140	54		MS
"	"	"	"	14	05/74 - 06/76		71	350	
Rawson	Sheppard/McConnell	46 55	80 34	1	08/79	-16.8	36		A
Red Bark	Reaney	47 34	83 14	6	08/79	14	16		ES
Regan	Ellis	47 14	80 47	7	01/80	96	43	200	MS
Rhodes	Rhodes	46 58	81 23	1	09/79	19.8	30		ES
Rice	McCarthy	46 50	80 28	1	07/79	-12.2	45		A
Richardson	Rhodes	46 55	81 23	1	09/79	25	30		ES
River Pool	Turner	47 07	80 35	7	01/80	-10.8	42		A
Rodd	Dundee	47 10	80 38	7	01/80	-0.6	36		A

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Rome	Sweeney	47 00	81 19	7	02/80	30	41		ES
Ruth	Chappise	47 45	83 23	6	08/79	112	22		MS
Sam Martin	Aylmer	46 53	80 48	7	01/80	26.4	47	240	ES
Sandcherry	Tyrone	46 50	81 18	7	02/80	30.4	38		ES
Seagram	Seagram	47 06	80 32	7	01/80	-17	39	210	A
Selwyn	Norman	46 45	80 52	7	02/80	57.4	42		MS
Shingwak	Leinster/Tyrone	46 50	81 20	7	02/80	34.2	38		ES
Sideburned	Caverley	47 45	83 30	3	Summer/78	638			NS
Silvester	Mackelcan	46 51	80 39	7	03/80	-38.8	56		A
Simon	Graham	46 24	81 12	3	Summer/78	208			LS
Solace	Selkirk	47 11	80 42	7	01/80	-3.2	42	170	A
Soul	Levack	46 37	81 19	7	02/80	27	40		ES
Spoon	Kilpatrick	46 05	81 04	3	Summer/78	6.8			ES
Stetham	Mattagami/Stetham	47 50	81 35	3	Summer/78	336			LS
Stull	McLeod/Ellis	47 15	80 47	7	01/80	46.4	41	180	MS
Sugarbush	Fairbairn	46 59	81 34	7	01/80	17.4	35		ES
Suzanne	Neville	47 40	81 50	3	Summer/78	198			MS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Tatachikapika	Hazen	47 52	81 42	3	Summer/78	264			LS
"	"	"	"	14	06/74 - 06/76		49	350	
Telfer	Telfer	46 56	80 47	7	01/80	-28.4	52		A
Telfer 53	Telfer	46 51	80 48	7	03/80	-61.6	53		A
Threenarrows	Roosevelt/Stalin	46 05	81 27	7	01/80	-2.2	41		ES
"	"	"	"	7	10/79	5.6	36		
"	"	"	"	14	06/74 - 06/76		40	200	
Tillie	Beresford	47 03	81 00	7	02/80	0	37		A
Trout	Hoskin/Cherriman	46 13	80 35	7	03/80	88.2	47		MS
Tyson	Sale/Attlee	46 07	81 07	7	01/80	-5.8	43		A
"	"	"	"	3	Summer/78	-27.4			
"	"	"	"	14	05/74 - 06/76		49	200	
Upper Eaglenest	Sheppard	46 55	80 30	1	08/79	52.8			MS
Upper Green	Athlone	47 01	81 44	7	01/80	29.2	38	170	ES
Upper Sturgeon	Delamere	46 08	80 36	1	09/79	112	38		MS
"	"	"	"	1	06/79	155	42		
Venetian	Botha	46 56	81 15	7	02/80	39.2	41		ES

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Wabagishik	Foster/Nairn	46 18	81 35	6	05/79	210	118		LS
Waddell	Norman	46 45	80 52	7	02/80	44.8	51		MS
Wanapitei	Rathbun/MacLennan	46 45	80 45	7	01/80	275	74		LS
Wangoon	Caouette	47 50	83 34	3	Summer/78	582			NS
Washagami	Davis	46 42	80 28	7	03/80	2	49		ES
Wavy	Eden	46 18	81 06	7	03/80	-50	51		A
Weequed	Ermatinger	46 35	81 37	7	01/80	43.8	37	190	MS
Welcome	Stull/Valin	47 13	81 02	6	10/79 & 01/80	105	49		MS
"	"	"	"	14	06/74 - 05/76		50	300	
West Adobe	McCarthy	46 52	80 28	1	08/79	22.3	37		ES
West Morgan	Morgan/Levack	46 41	81 18	7	02/80	23	36		ES
West Shining Tree	Churchill	47 35	81 17	3	Summer/78	313			LS
White Bark	Reaney	47 34	83 14	6	08/79	21.6	16		ES
Whitefish	Whitefish Lake Indian Reserve No. 6	46 23	81 11	6	10/79 & 01/80	140	76		MS
"	"	"	"	14	05/74 - 06/76		72	350	
White Oak	Tilton	46 18	81 00	7	03/80	-23.4	54		A

[illegible]

[illegible]

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Abigogami	(unorganized)	49 00	88 49	8	1979	320	56	300	LS
Amp	Haines	48 39	90 18	3	Summer/78	415			LS
"	"	"	"	13	07/78	521	63		
Arbour	(unorganized)	48 40	90 50	3	Summer/78	64.6			MS
"	"	"	"	13	07/78	64.0	31		
Barnum	Jacques	48 39	89 15	1	08/79	63.0	28		MS
Beartrap	(unorganized)	49 30	87 45	3	Summer/78	227			LS
Big Pearl	McTavish	48 41	88 40	1	08/79	1050	84		NS
Black Mountain	(unorganized)	49 03	88 43	1	08/79	2840	318		NS
Bouchard	Bryant	48 47	85 27	3	Summer/78	1480			NS
Boulevard	McIntyre	48 27	89 12	3	Summer/78	585			NS
Box	(unorganized)	49 17	89 28	1	08/79	-5.5	53		A
Burchell	Moss	48 35	90 38	3	Summer/78	369			LS
"	"	"	"	13	07/78	447	76		
"	"	"	"	1	08/79	459	81		
Caro	(unorganized)	49 06	88 58	1	08/79	460	78		LS
Cavern	Dorion	48 50	88 40	1	08/79	1260	131		NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Cedar	Brothers	48 42	85 48	3	Summer/78	933			NS
Cliff	(unorganized)	49 03	88 47	1	08/79	729	81		NS
Cummins	Jacques	48 40	89 15	1	08/79	142	38		MS
DeCoursey	(unorganized)	48 59	89 14	1	08/79	313	47		LS
"	"	"	"	8	1979			350	
Dog	(unorganized)	48 46	89 32	3	Summer/78	239			LS
Dunc	Laberge	48 43	85 42	3	Summer/78	652			NS
East Divide	Haines	48 40	90 20	3	Summer/78	568			NS
Echo	Marks	48 20	89 54	3	Summer/78	973			NS
Edmondson	(unorganized)	48 56	89 15	1	08/79	92.2	45		MS
Fall	Dorion	48 48	88 38	1	08/79	307	47		LS
Far	(unorganized)	48 41	90 12	3	Summer/78	243			LS
"	"	"	"	13	07/78	283	41		
Golden Gate	Glen	48 53	88 41	1	08/79	3310	318		NS
Goodmorning	Dorion	48 47	88 42	1	08/79	694	84		NS
Handley	(unorganized)	49 23	89 20	1	08/79	113	80		MS
Hays	Priske	48 48	87 11	3	Summer/78	996			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Hazelwood	Gorham	48 35	89 19	1	08/79	144	30		MS
Hicks	(unorganized)	48 49	89 05	1	08/79	141	55		MS
Hood	(unorganized)	48 29	90 39	8	1979	105	31	150	MS
Howcum	Jacques	48 40	89 18	1	08/79	6.6	32		ES
Huronian	(unorganized)	48 41	90 47	13	07/78	78.4	22		MS
Iles, Lac des	(unorganized)	49 13	89 37	8	1979	406	52	300	LS
Innes	Dorion	48 50	88 43	1	08/79	422	47		LS
Inwood	Inwood	49 01	90 27	3	Summer/78	30.6			ES
"	"	"	"	1	09/79	22.4			
Iron Range	(unorganized)	48 11	90 20	1	07/79	696	106		NS
Jackfish	Syine	48 50	86 57	3	Summer/78	540			NS
Jason	Killraine	48 51	87 21	3	Summer/78	56.3			MS
Kabaigon	(unorganized)	48 40	90 15	13	07/78	620	73		NS
Kamikau	(unorganized)	48 19	90 19	8	1979	147	28	150	MS
Kashabowie	(unorganized)	48 43	90 23	3	Summer/78	165			MS
Kawapitapika	Knowles/Leslie	48 37	85 21	3	Summer/78	1910			NS
Kenogamisis	(unorganized)	49 42	86 53	3	Summer/78	1070			NS

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Klotz	(unorganized)	49 48	85 52	3	Summer/78	1470			NS
Little Athelstane	(unorganized)	48 45	90 15	3	Summer/78	275			LS
Little Dog	Fowler	48 39	89 36	1	08/79	439	55		LS
Little Moraine	(unorganized)	49 01	88 50	8	1979	939	106	600	NS
Long Canoe	(unorganized)	48 56	87 22	3	Summer/78	103			MS
Longlac Bay	Oakes/Daley	49 47	86 32	3	Summer/78	1030			NS
Loon	McTavish	48 38	88 46	1	08/79	520	76		NS
Lyne	Killraine	48 52	87 21	3	Summer/78	56.1			MS
MacCormack	Jacques	48 40	89 20	3	Summer/78	165			MS
Madalaine	(unorganized)	48 14	90 33	1	08/79	203	38		LS
Mathe	Hagey	48 39	90 14	3	Summer/78	789			NS
McLeish	(unorganized)	48 48	89 07	1	08/79	143	51		MS
Middle Shebandowan	Hagey	48 38	90 15	3	Summer/78	303			LS
"	"	"	"	13	07/78	679	111		
Mikano	Mikano	48 51	85 20	3	Summer/78	1220			NS
Mille Lacs, Lac des	(unorganized)	48 50	90 30	3	Summer/78	185			MS
"	"	"	"	10	1976		45		

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Missing	Jacques	48 42	89 21	1	08/79	345	46		LS
Mooseland	(unorganized)	49 22	90 04	8	1979	552	21	400	NS
Mountain	(unorganized)	48 07	90 14	8	1979	251	4	150	LS
Nipigon	(unorganized)	49 50	88 30	3	Summer/78	1340			NS
North Narrow (part of Long L.)	Abrey	49 41	86 39	3	Summer/78	93.4			MS
One Island	Fowler	48 38	89 25	3	Summer/78	280			LS
"	"	"	"	1	08/79	217	38		
Onion	(unorganized)	48 40	89 09	1	08/79	208	51		LS
Pakoawaga	Bryant/McCron	48 42	85 28	3	Summer/78	1030			NS
Paul	Jacques	48 42	89 22	3	Summer/78	286			MS *
"	"	"	"	1	08/79	69.1	40		
Pesheau	(unorganized)	49 15	89 25	1	08/79	617	78		NS
Prelate	(unorganized)	48 11	90 24	1	07/79	265	40		LS
Pringle	(unorganized)	49 03	88 46	1	08/79	315	49		LS
Rainbow	Moss	48 34	90 44	13	07/78	716	84		NS
Ranger	Killraine	48 49	87 18	3	Summer/78	83.4			MS
Reta	(unorganized)	48 15	90 29	1	08/79	94.4	32		MS

* More data are needed to clarify the large difference between these alkalinity values.

Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Two Island	Jacques	48 41	89 21	3	Summer/78	191			MS
"	"	"	"	10	09/73		44		
Unnamed	(flows S. into Upper Shebandowan L.)	48 38	90 29	3	Summer/78	584			NS
Unnamed	Hagey	48 39	90 14	3	Summer/78	564			NS
Unnamed	Haines (flows N. into Kashabowie L.)	48 39	90 24	3	Summer/78	598			NS
Unnamed	(flows S. into Upper Shebandowan L.)	48 39	90 25	13	07/78	652	162		NS
Unnamed	(flows N. into Windigoostigwan L.)	48 41	90 56	13	07/78	31.8	23		ES
Unnamed	(flows E. into Huronian L.)	48 42	90 48	13	07/78	66.8	19		MS
Unnamed	(flows S. into Elora L.)	48 43	85 35	3	Summer/78	1520			NS
Unnamed	(flows W. into Upper Sabrina L.)	48 43	90 14	3	Summer/78	271			LS
Unnamed	(flows S. into (Pakoawaga L.)	48 44	85 27	3	Summer/78	1670			NS
Unnamed	(flows S. into Little Steel L.)	48 47	86 51	3	Summer/78	921			NS
Unnamed	Killrairie (flows W. into Lyne L.)	48 53	87 21	3	Summer/78	104			MS
Upper Shebandowan	Haines	48 37	90 28	3	Summer/78	270			LS
"	"	"	"	13	07/78	656	108		
Venice	(unorganized)	48 55	88 42	1	08/79	2210	249		NS
Wabasta	Yesno	48 54	87 38	3	Summer/78	558			NS

COUNTY OR DISTRICT

THUNDER BAY DISTRICT

"A" List: Page 8 of 8

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.F.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Black Sturgeon	(unorganized)	49 20	88 53	11	1964	840			NS
Castlebar	Fernow	49 49	86 03	8	1979	2000	198	1550	NS
Eaglehead	(unorganized)	49 02	89 12	8	1979	320	58	325	LS
Esnagami	Esnagami	50 19	86 50	11	1964	1480			NS
Holinshead	(unorganized)	49 39	89 40	11	1964	360			LS
Kagianagami	(unorganized)	50 57	87 50	11	1964	1160			NS
Killala	(unorganized)	49 05	86 32	11	1964	1140			NS
Luella	(unorganized)	51 11	88 44	11	1964	1680			NS
Mojikit	(unorganized)	50 40	88 15	11	1964	440			LS
Obonga	(unorganized)	49 57	89 22	11	1964	520			NS
Ogoki	(unorganized)	50 50	87 10	11	1964	1140			NS
Oliver	Scoble	48 16	89 35	8	1979	460	64	300	LS
Onaman	(unorganized)	50 00	87 26	11	1964	780			NS
Pagwachuan	(unorganized)	49 43	86 06	11	1964	1960			NS
Pakashkan	(unorganized)	49 21	90 15	11	1964	640			NS
Ramsay	(unorganized)	49 27	85 47	11	1964	320			LS
Saganaga	(unorganized)	48 14	90 55	11	1964	400			LS

THUNDER BAY DISTRICT

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Lake	Township	Latitude	Longitude	Study or Source	Date	T.I.A. µeq/l	Conduc- tivity µmhos/cm	Calcium µeq/l	Class
Bay	Coleman	47 21	79 51	6	05/79	269	56		LS
"	"	"	"	3	Summer/78	406			
Brigstocke 69	Brigstocke	47 15	79 49	1	06/79	199	59		MS
Burt (Mountain)	Burt	48 05	80 22	1	05/79	413			LS
Dees	McGiffin	47 21	80 30	1	08/79	-0.7	44		A
Duncan	Knight	47 46	80 58	3	Summer/78	598			NS
Elk	James	47 43	80 19	3	Summer/78	619			NS
Firth	Milner	47 43	80 54	3	Summer/78	271			LS
Johnson	Gillies Limit	47 16	79 45	1	06/79	193	80		MS
Kenogami	Grenfell/Eby	48 06	80 14	3	Summer/78	578			NS
Kenogamissi	Thornloe	48 15	81 33	3	Summer/78	556			NS
Lost	Haultain	47 41	80 40	3	Summer/78	810			NS
McCulloch	Corley	47 20	80 42	7	01/80	441	76		LS
Round	Otto	48 01	80 02	3	Summer/78	842			NS
Sesekinika	Maisonville	48 11	80 14	3	Summer/78	429			LS
Sharp	Bucke	47 25	79 44	3	Summer/78	381			LS
Swan	Maisonville	48 14	80 16	3	Summer/78	619			NS

COUNTY OR DISTRICT

TIMISKAMING DISTRICT

"B" List: Page 1 of 1

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COUNTY OR DISTRICT

YORK COUNTY

"B" List: Page 1 of 1

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Date Due

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Piche, E.W.

Acid sensitivity

survey of lakes in Ontario

acidic precipitation a aa

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